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COMPONENTS OF THE SYSTEM
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IN WHICH THE COMPONENTS OF THE
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PLURALITY OF
COMPONENTS

10

Fig. 1

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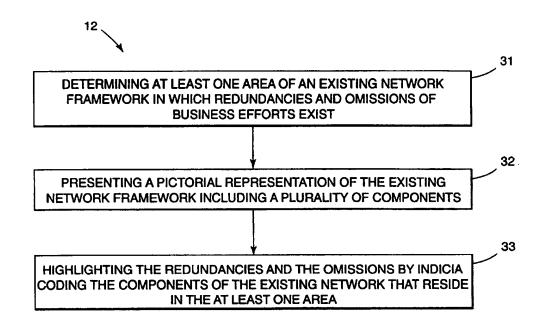


Fig. 2



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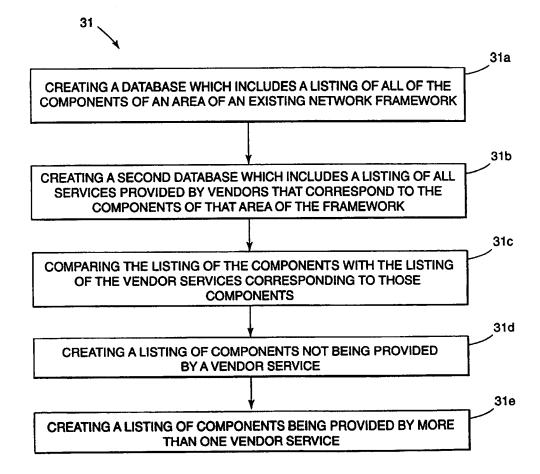


Fig. 3

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DISPLAYING A PICTORIAL REPRESENTATION OF A SYSTEM INCLUDING A PLURALITY OF COMPONENTS

INDICIA CODING THE COMPONENTS OF THE SYSTEM IN ORDER TO INDICATE REQUIRED COMPONENTS FOR THE IMPLEMENTATION OF

Fig. 4

THE SYSTEM

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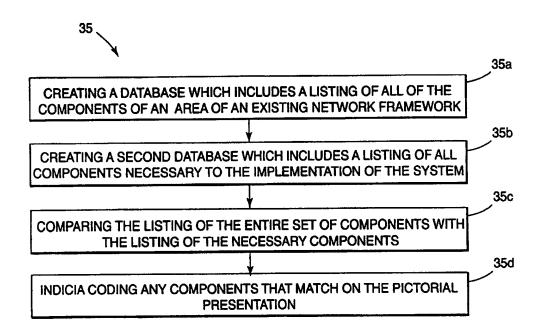


Fig. 5

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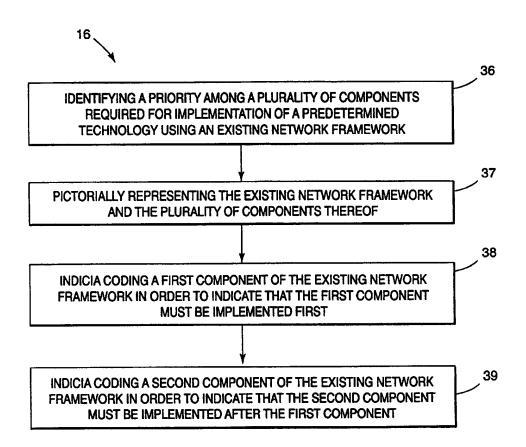


Fig. 6

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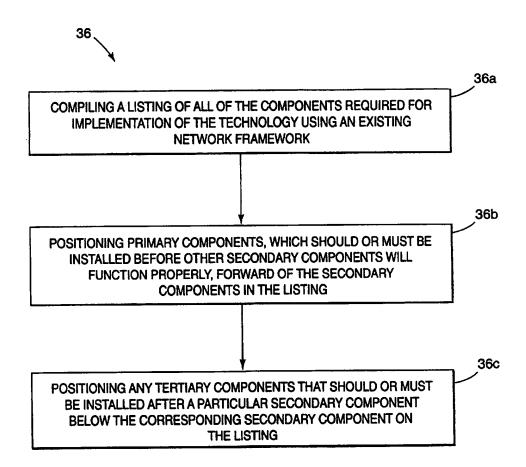


Fig. 7

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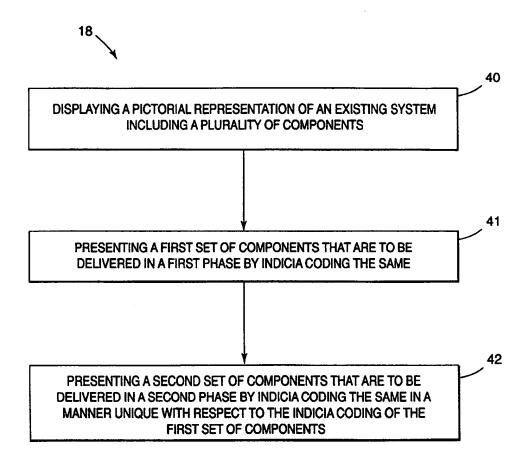


Fig. 8

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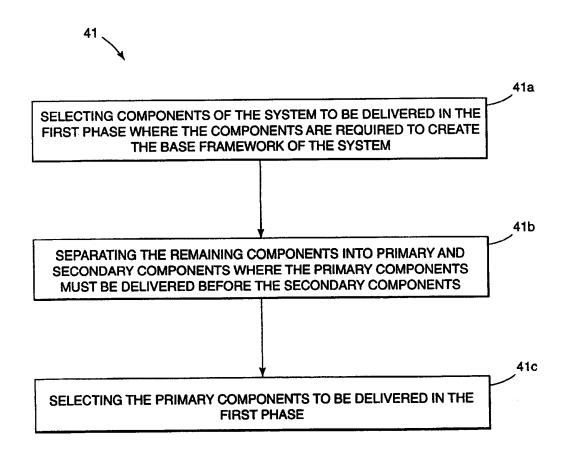


Fig. 9

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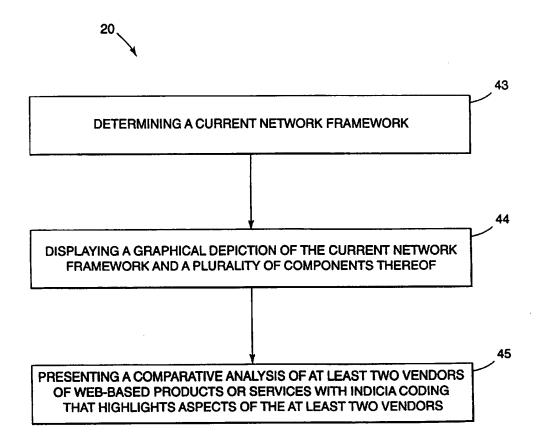


Fig. 10

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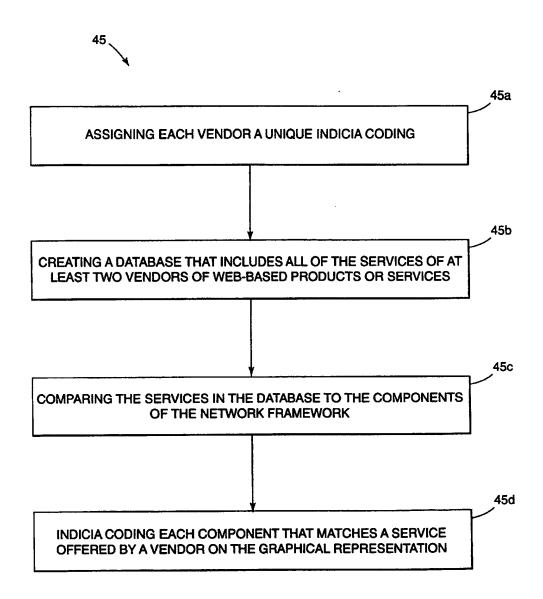


Fig. 11

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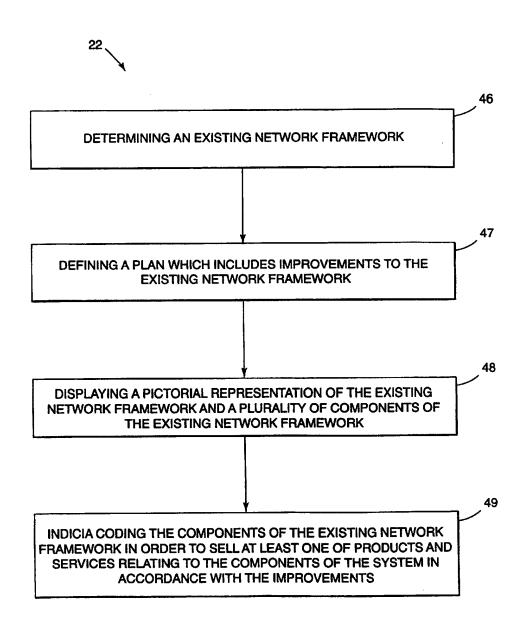


Fig. 12

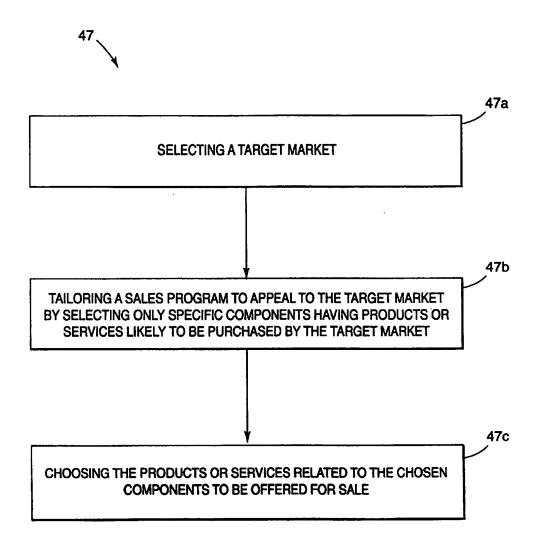


Fig. 13

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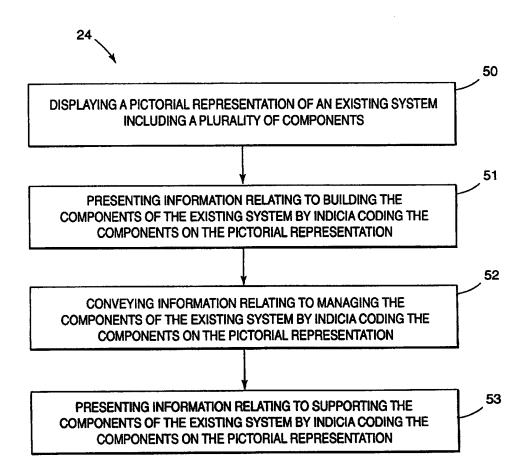


Fig. 14

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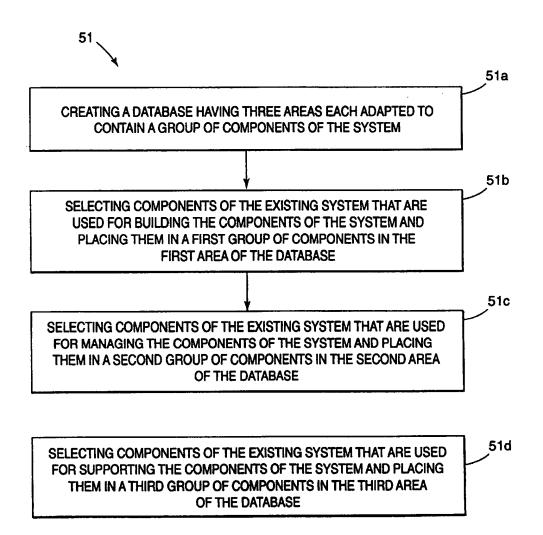


Fig. 15

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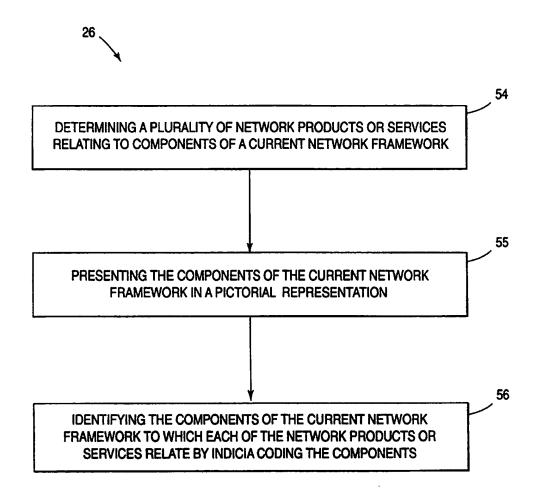


Fig. 16

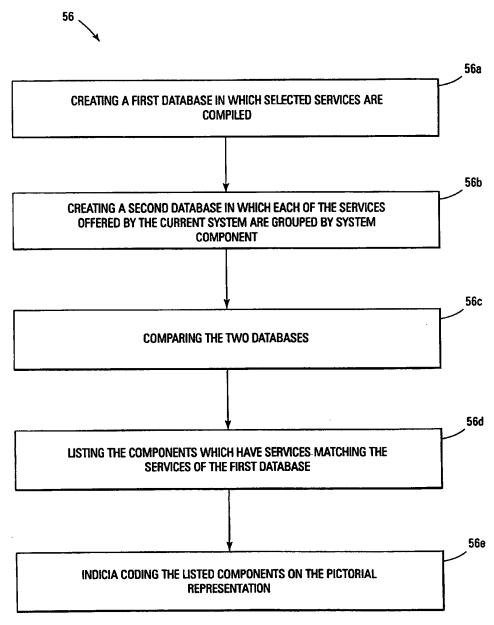


Fig. 17

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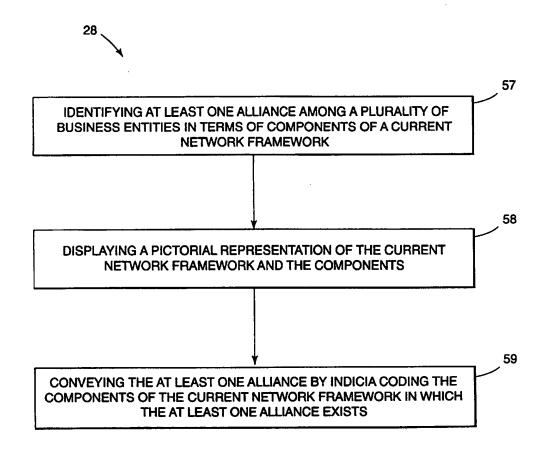


Fig. 18

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DISPLAYING A PICTORIAL REPRESENTATION OF AN EXISTING
NETWORK FRAMEWORK INCLUDING A PLURALITY OF COMPONENTS

INDICIA CODING THE COMPONENTS OF THE EXISTING NETWORK
FRAMEWORK IN ORDER TO CONVEY A PLAN BY WHICH THE
COMPONENTS OF THE SYSTEM ARE TO BE TESTED

Fig. 19

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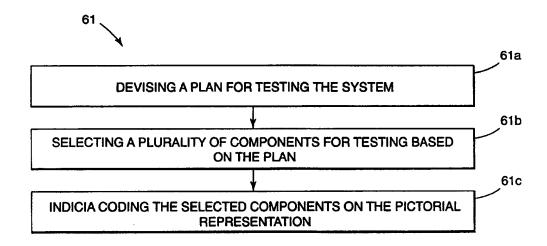
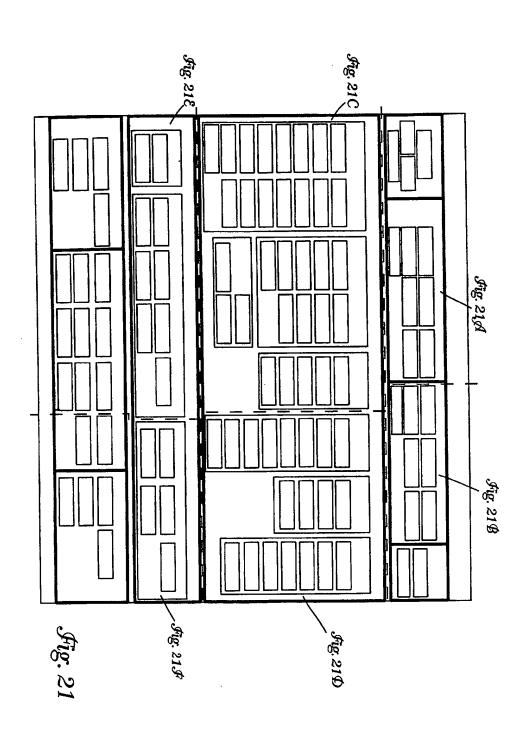


Fig. 20



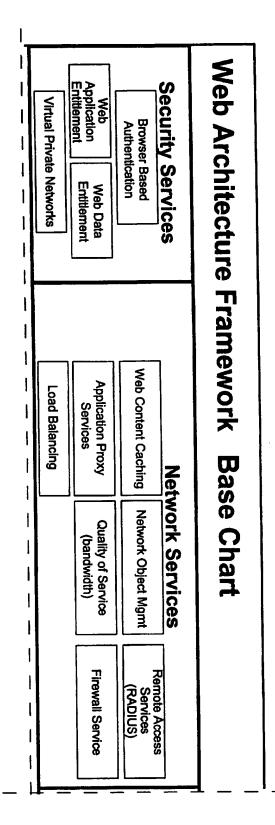
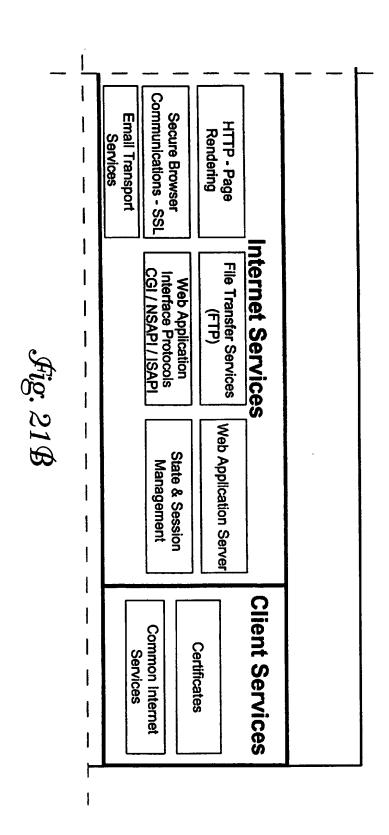


Fig. 21A



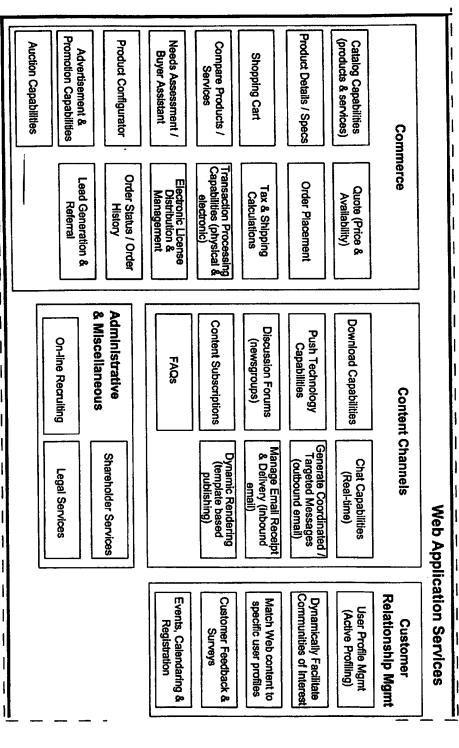
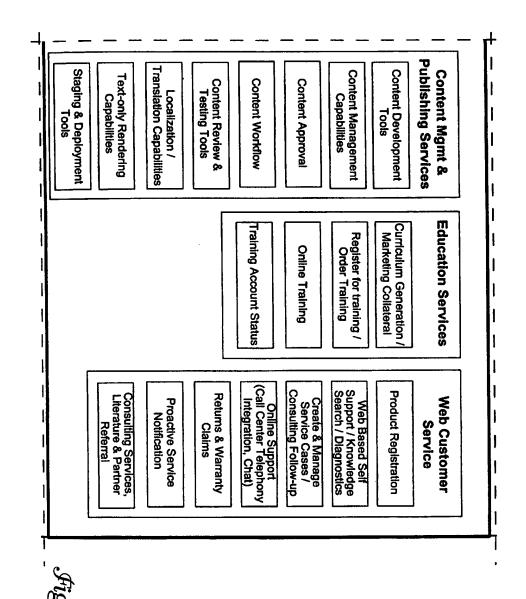


Fig. 21C



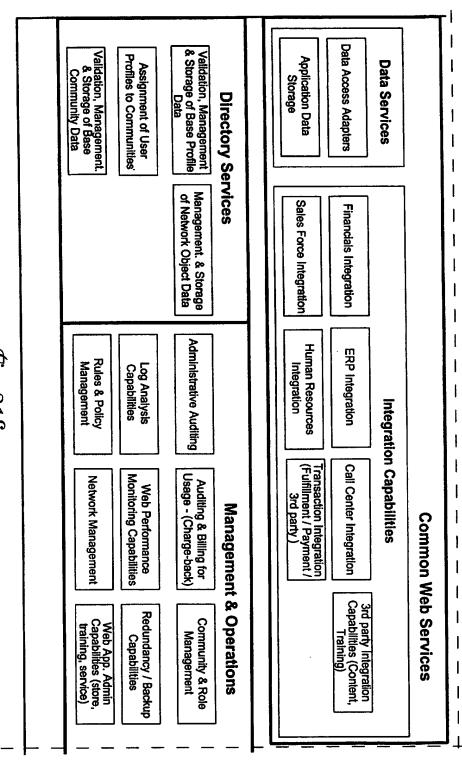
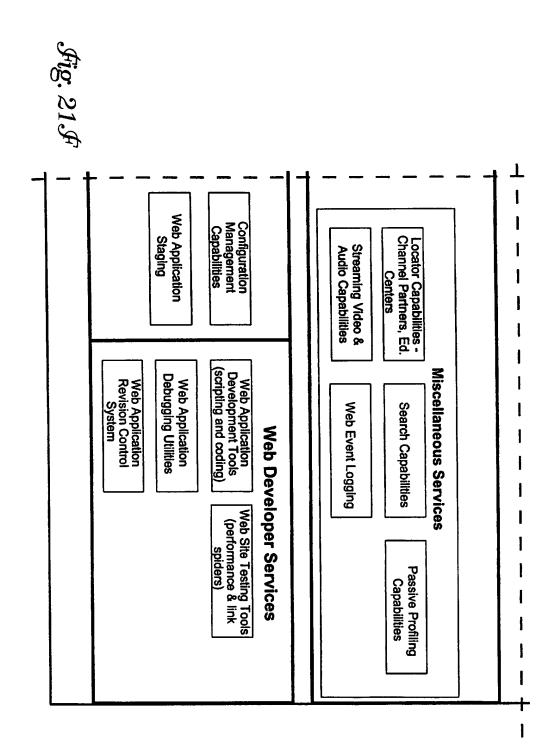


Fig. 21E



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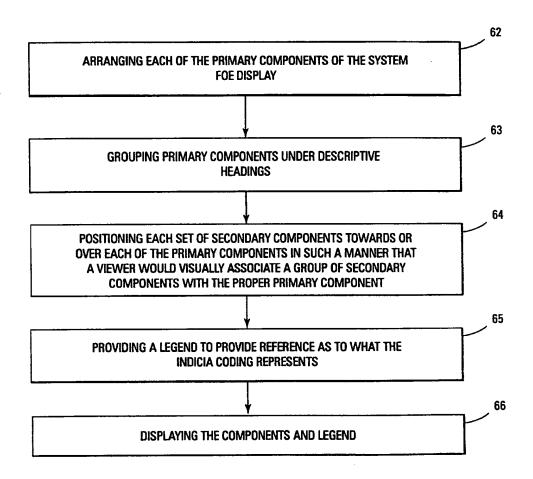


Fig. 22

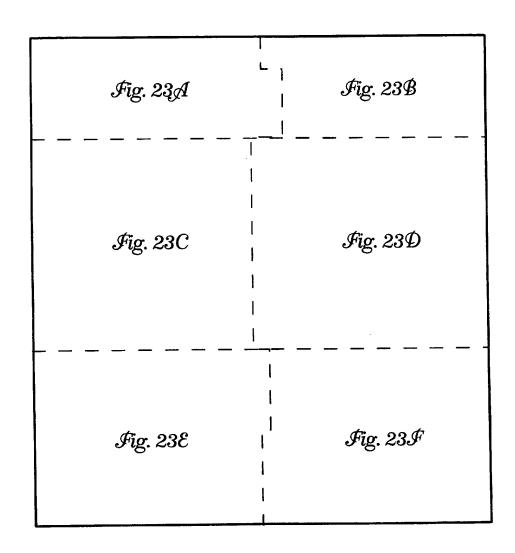
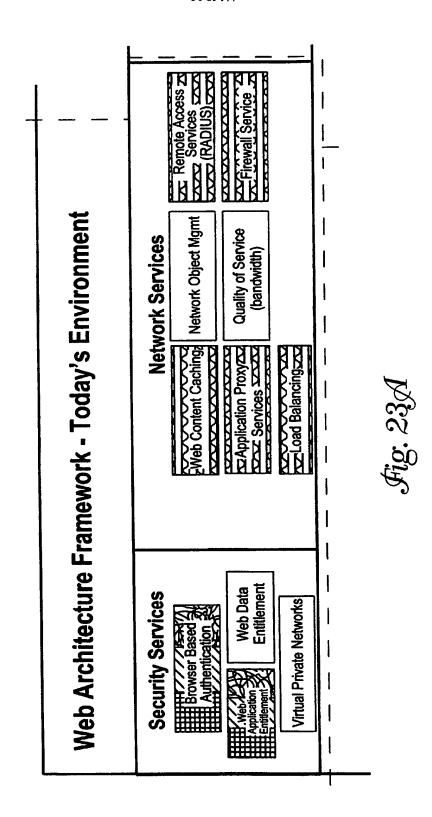
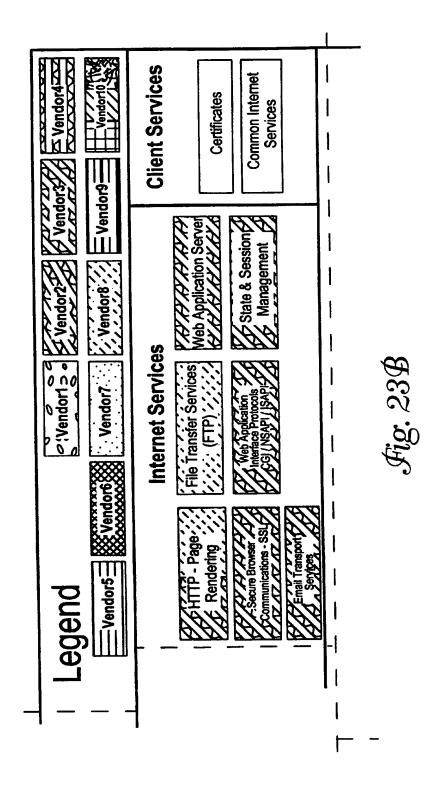


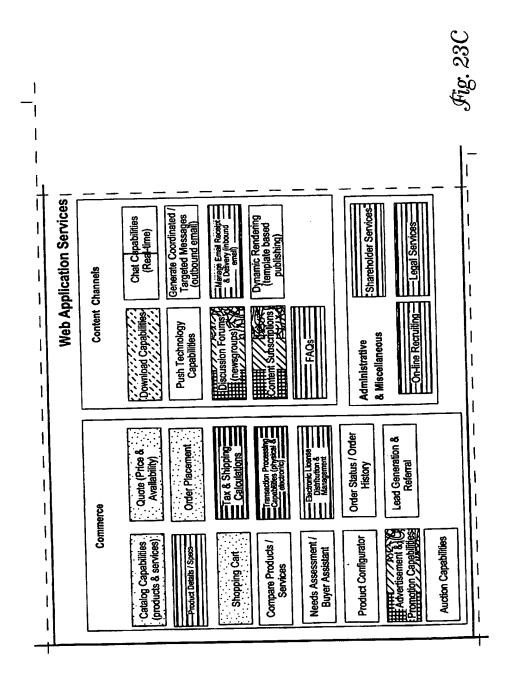
Fig. 23

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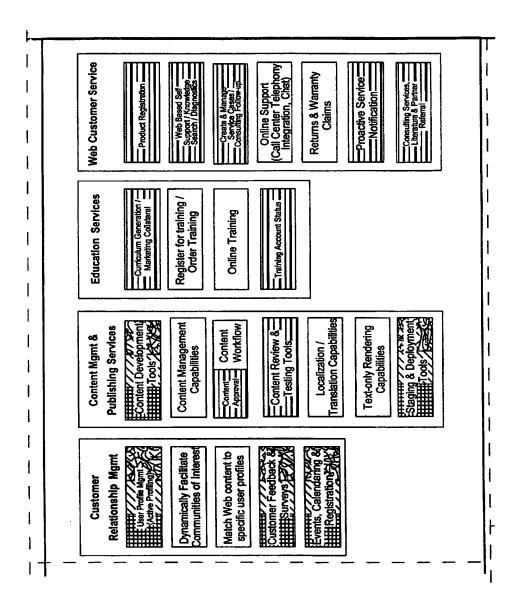
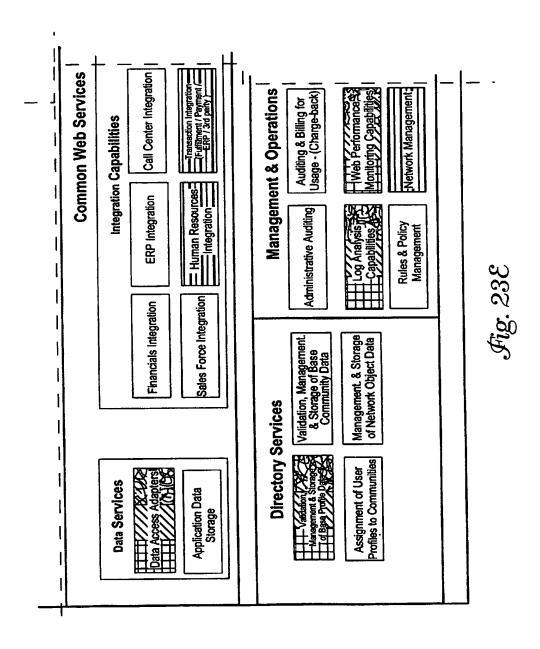
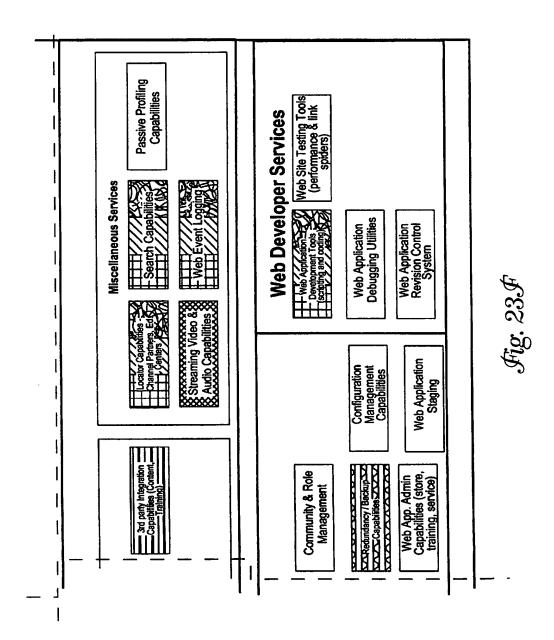


Fig. 23D





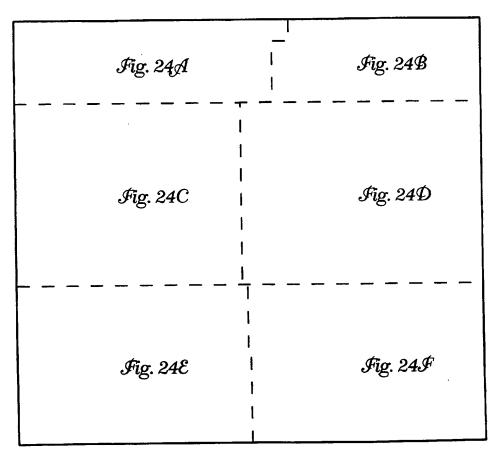
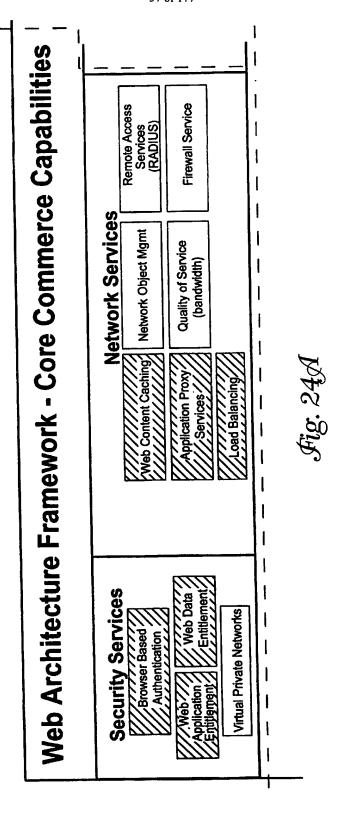
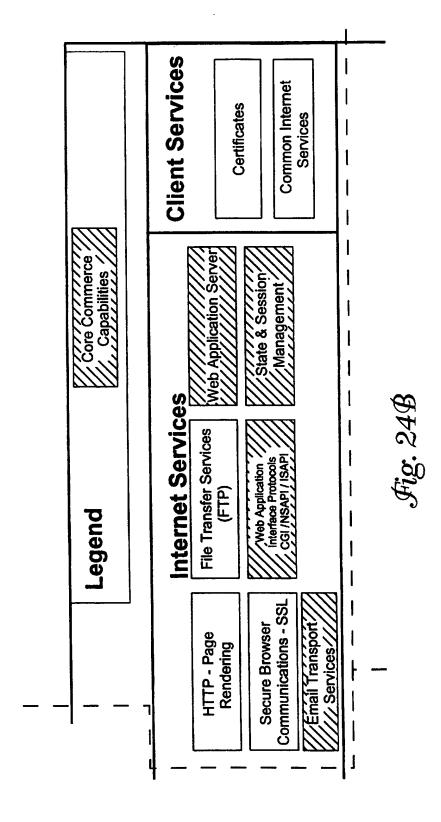


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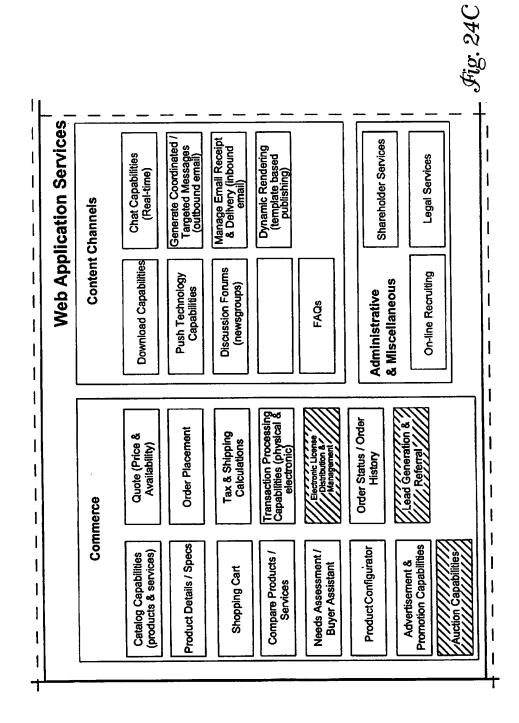
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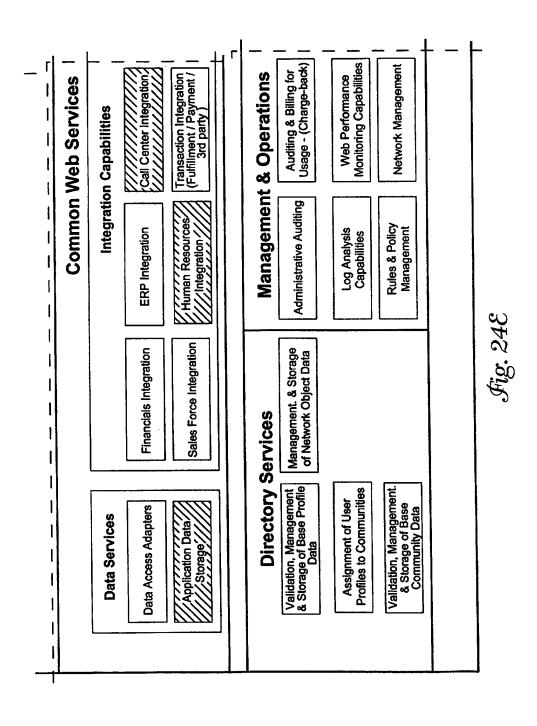


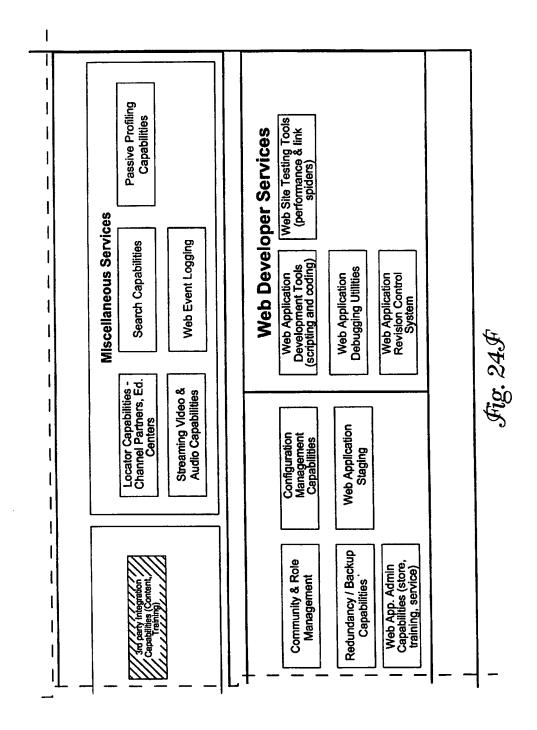
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Content Mgmt & Educat Publishing Services  Content Development Tools  Content Management Capabilities  Content Approval Content Approval Content Review & Testing Tools Translation Capabilities  Text-only Rendering Capabilities	Education Services Web Customer Service	Curriculum Generation / Product Registration Marketing Collateral	Register for training / Support / Knowledge Search / Diagnostics	Online Training Consulting Follow-up	Craining Account Status (Call Center Telephony Integration, Chail	Returns & Warranty Claims	Proactive Service Notification	Consulting Services, Literature & Partner Referral
						Content Review & Testing Tools	Localization / Translation Capabilities	Text-only Rendering Capabilities

Fig. 24D

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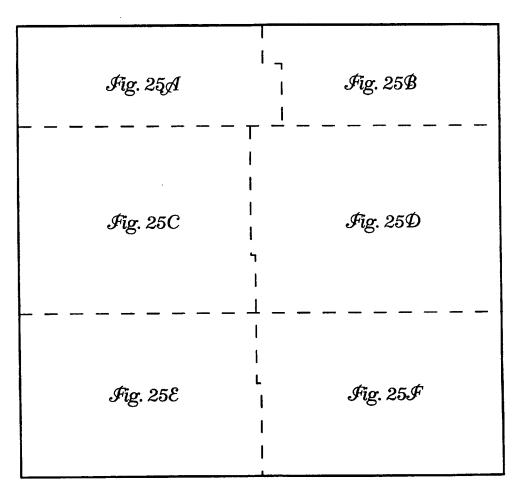


Fig. 25

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44 of 177 Remote Access Services (RADIUS) Firewall Service Web Architecture Framework - Immediate Activities **Network Services** Network Object Mgmt Quality of Service (bandwidth) Web Content Caching Application Proxy Services Load Balancing Fig. 25A Security Services Virtual Private Networks Browser Based & Authentication

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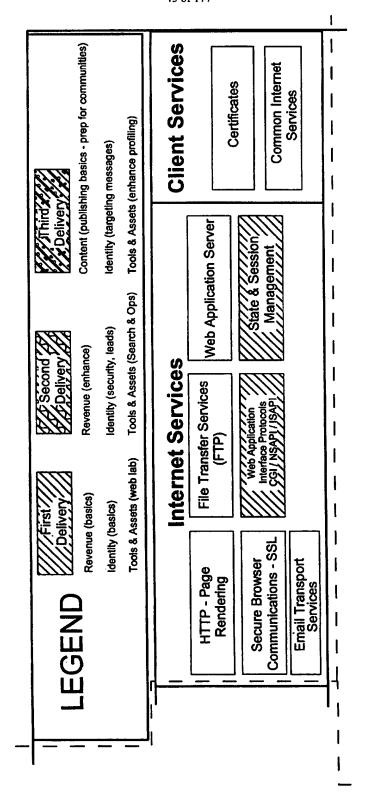
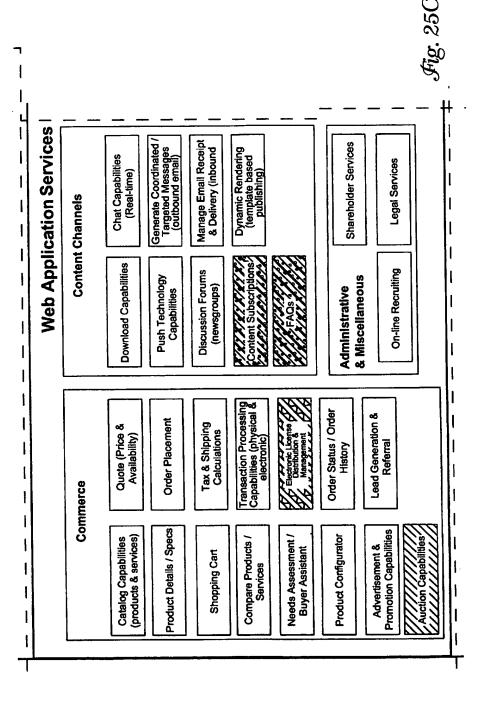
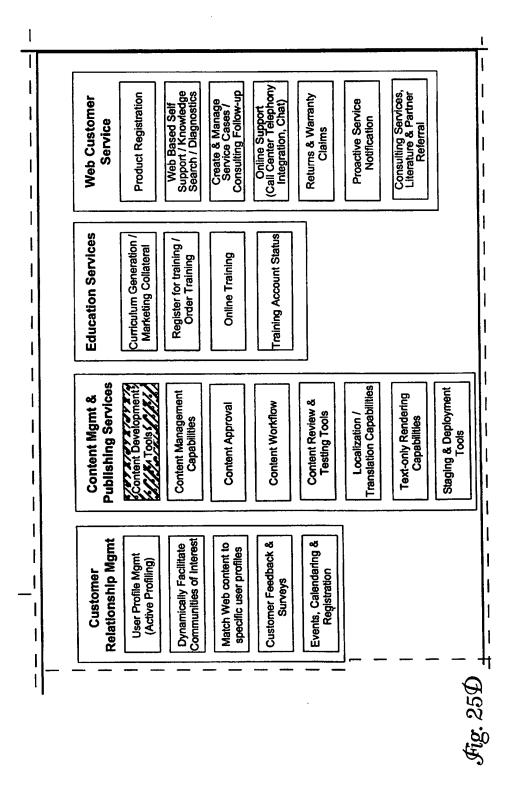


Fig. 25B

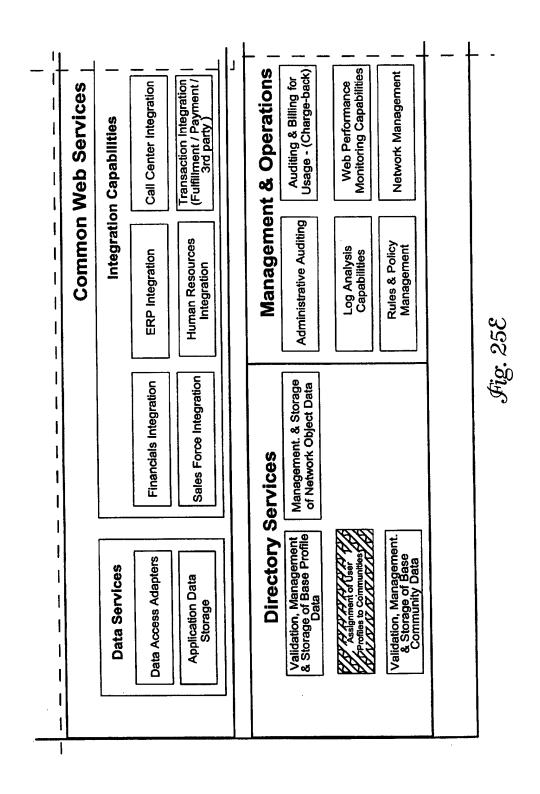
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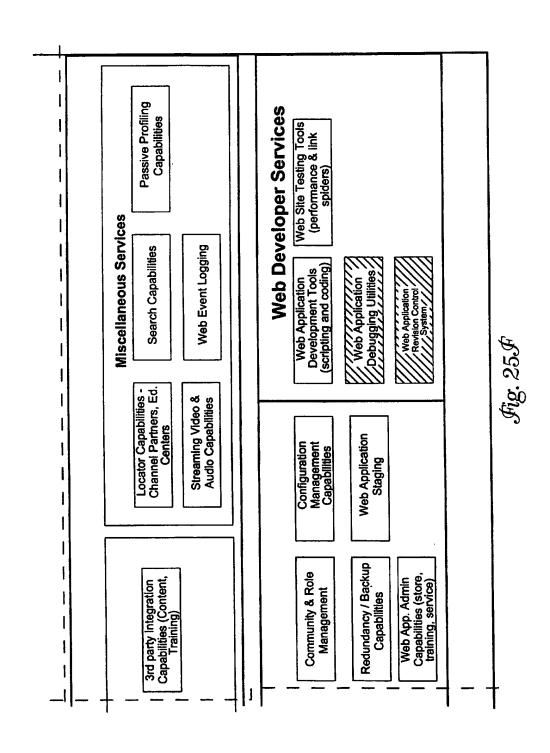
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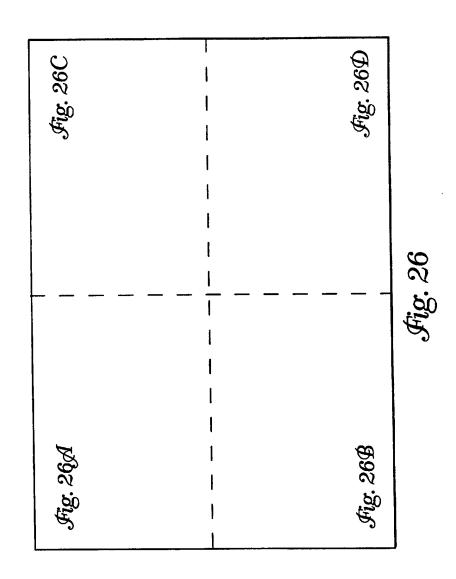
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Determines if a user or group of users have permission to manipulate Restricts access to web content and data based upon user privileges Restricts access to specific web applications based upon user Utilizes centralized directory of profiles for entitlement data Utilizes centralized directory of profiles for entitlement data Determines if a user or group of users have permission to Maintains authentication information throughout sessions Verifies user identity using built-in browser functionality Core Commerce Capabilities - Infrastructure Services perform an operation in a specific application web data (create, read, update, delete) Utilizes centralized directory of profiles Provides LDAP compatibility Provides LDAP compatibility Provides LDAP compatibility Provides NDS Compatibility Provides NDS compatibility Existing Capabilities Provides NDS compatibility privileges a a a l 000 00 00000 Core Capabilities Fig. 26A

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Stores frequently requested web pages and graphics in a temporary location  Serves up previously cached content without accessing original source  Updates cache automatically to ensure integrity of content	<ul> <li>Passes requests from external clients to internal web servers and return results</li> <li>Serves as trusted agent to access internal machines on the behalf of clients</li> <li>Hides IP Addresses of machines inside a firewall from external clients</li> <li>Provides configuration control over external access permissions</li> </ul>	<ul> <li>Spreads tasks among application servers using and intelligent load-balance scheme (CPU utilization)</li> <li>Provides a centralized task distribution mechanism for routing services</li> <li>Identifies servers that are off-line and re-route traffic</li> </ul>	Protects resources on a private network from users of other networks Filters network traffic based on security rules Provides alarm notification of attacks Provides logging and reporting functions Provides port and traffic control	<ul> <li>Serves requested web pages and graphics from web servers to client</li> <li>web browsers</li> <li>Supports page rendering for multiple languages</li> <li>Supports multiple content sources (file system, databases, scripts)</li> </ul>
Web Content Caching	Application Reverse / Proxy Services	Load Balanchig	Firewall Service	HTTP-Page Rendering Aig. 26\$

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State and Session	φą	Provides mechanism to note and remember one or more preceding events in a given sequence of interactions with the user or application		
	Ė	racks state and session information		
_	Σ	Manages multiple independent sessions simultaneously active		
	์ ดี	Supports Client Cookies		
_	ิดี	Supports Client URL Encoding		
	ഗ്	Supports Server Information with Client Cookies		
	์ ดั	Supports Server Information with URL Session Identifiers		
Coracle Financials 0	ď	Provides adapter or mechanism to communicate and transfer		
///Integration	de	data at the functional level with Oracle Financials via API s		
	ิ์	Supports Oracle s API sets for external integration		
_	ิ์	Supports Data Access Adapter capabilities		
		Provides adapter or mechanism to communicate and transfer		
SiÉBÉL Integration	g	data at the functional level withSiebel via API s		
_		Supports Siebel s API sets for external integration		
		Supports Data Access Adapter capabilities		
Transaction Integration	-	Provides adapter or mechanism to transfer transactional		
(FURING Party)		information to a fulfillment house, payment processing center,		
	•	enterprise resource planning system of other unit party Provides reporting and logging functions to detect		
	E	communication errors		
V 3rd Party Integration		Provides adapter or mechanism to communicate with external systems		
Capabilities (Content,		that provide additional content such as catalog information	(fig. 960	086
77776		Provides reporting and logging functions to detect communication errors	30	20
_	l			

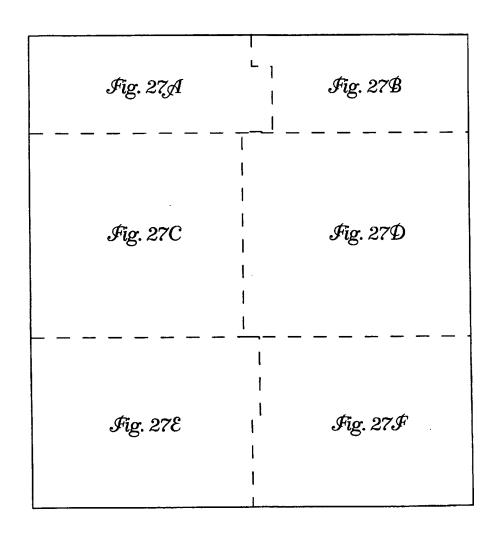
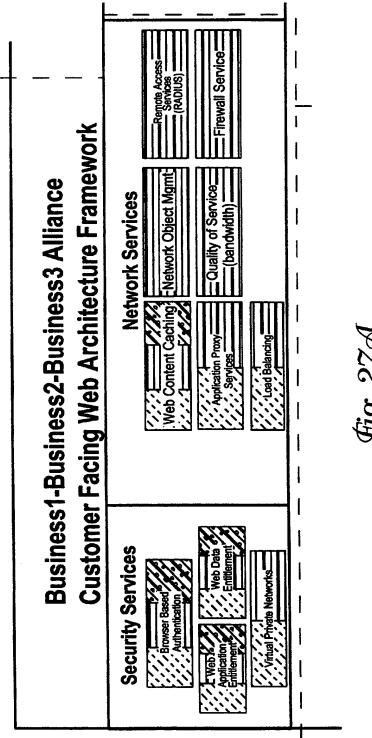
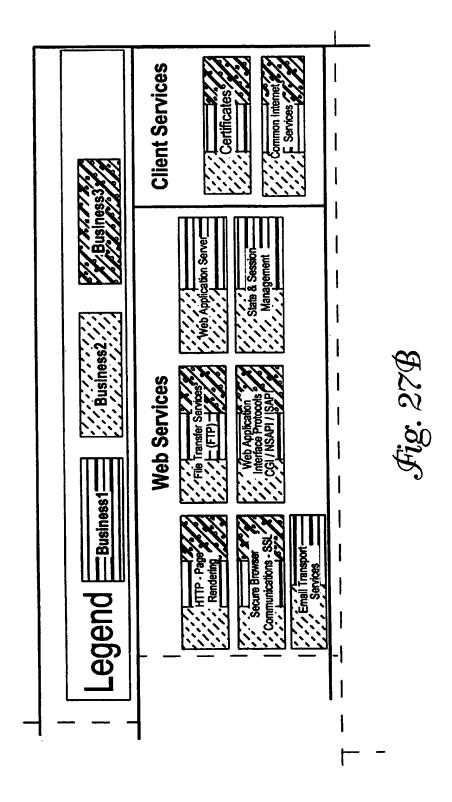


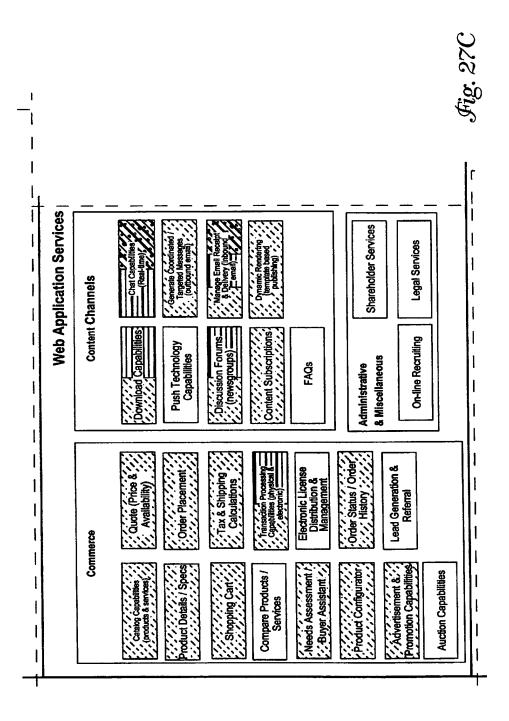
Fig. 27

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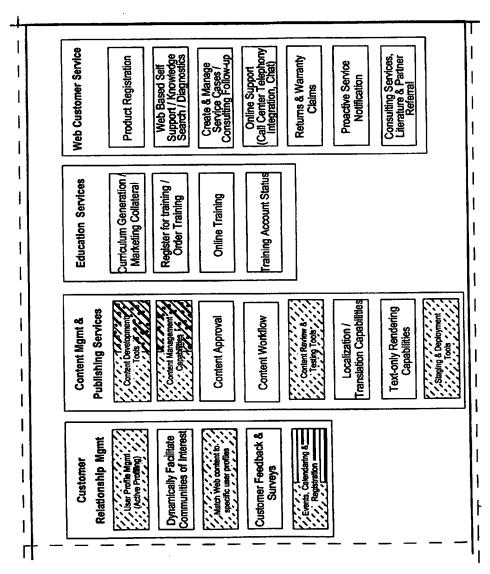
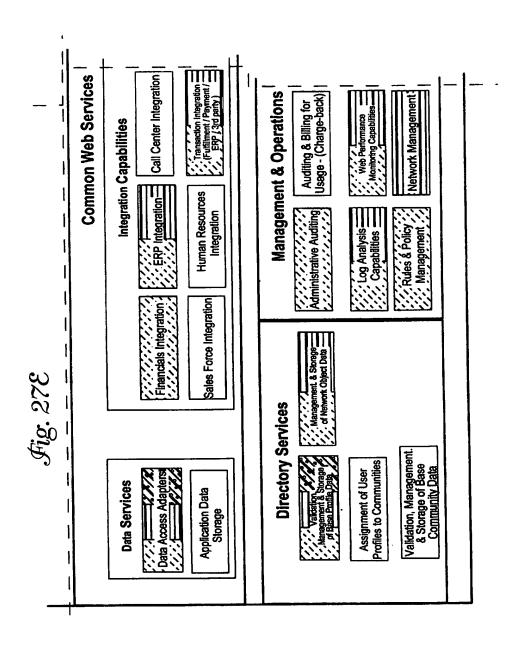
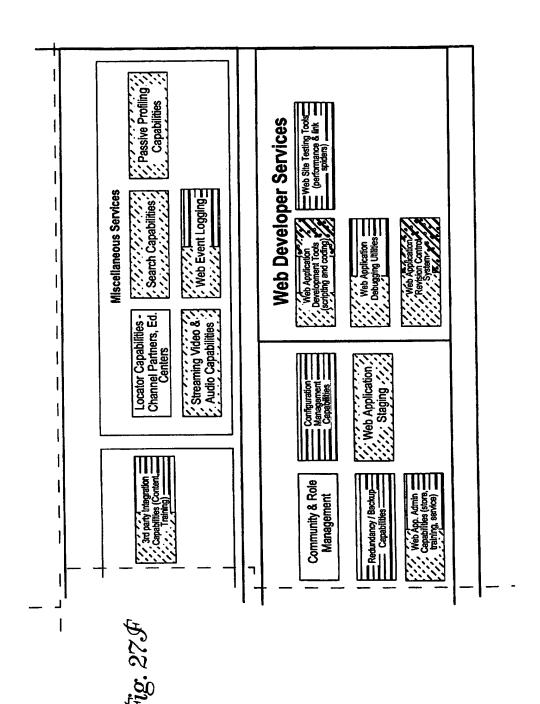


Fig. 27D





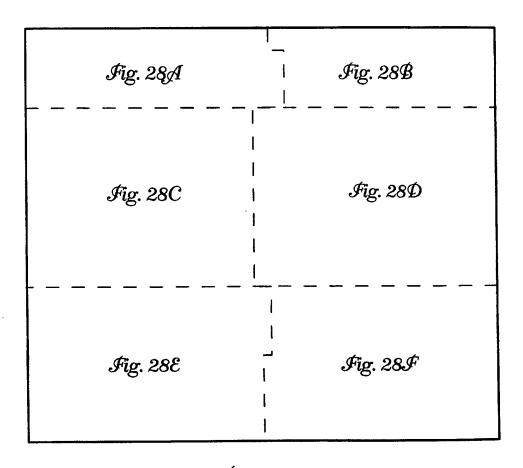


Fig. 28

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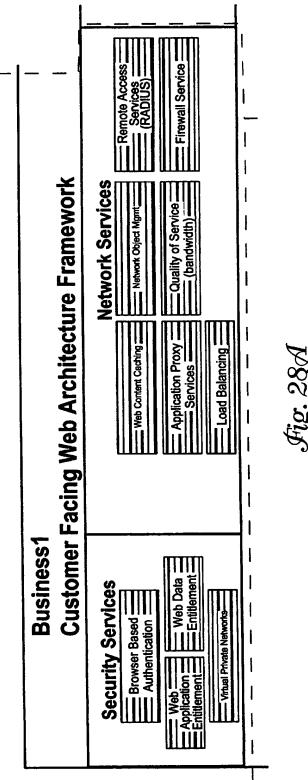
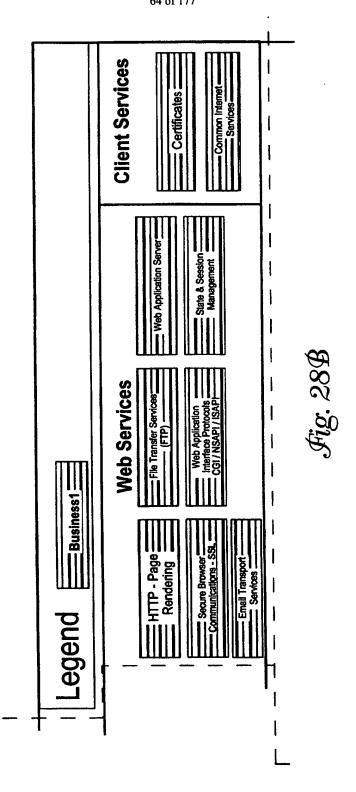
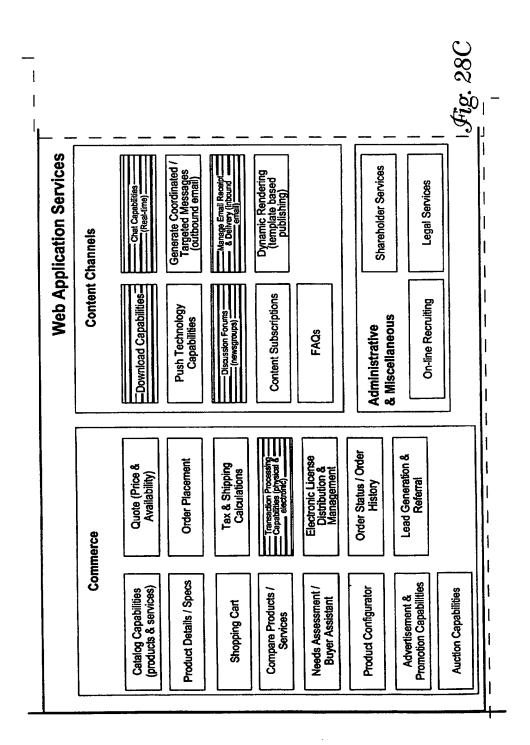


Fig. 28A

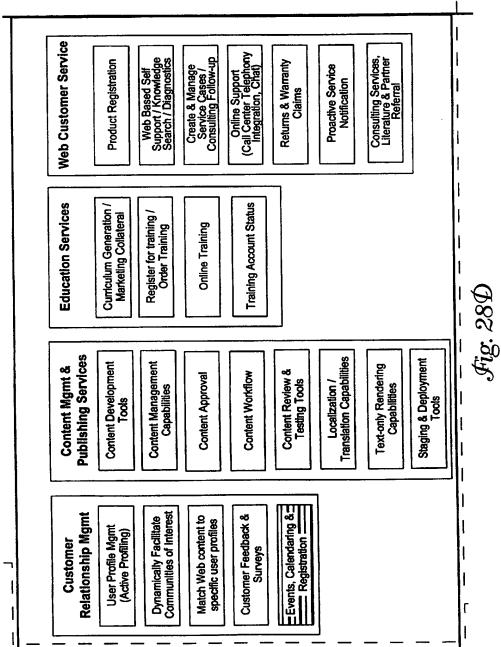
Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 64 of 177

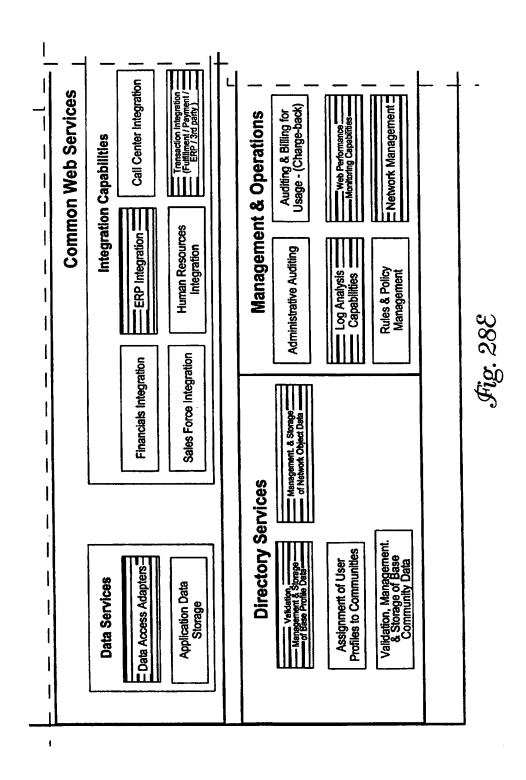


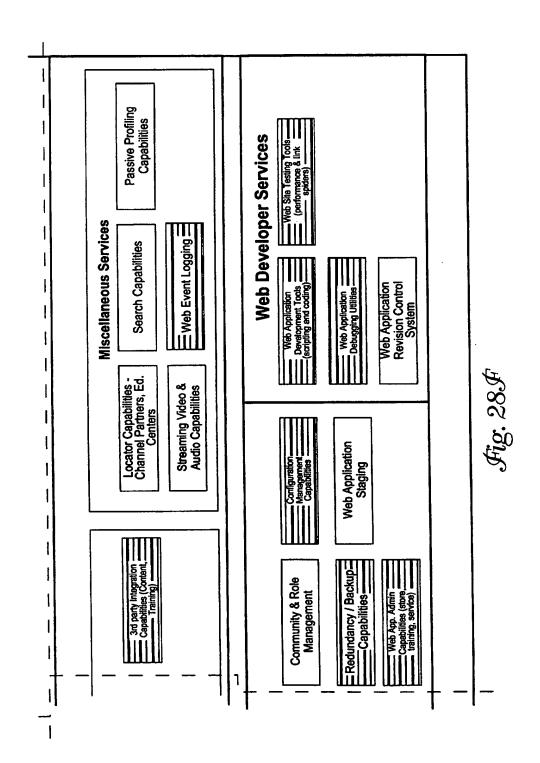
# Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 65 of 177



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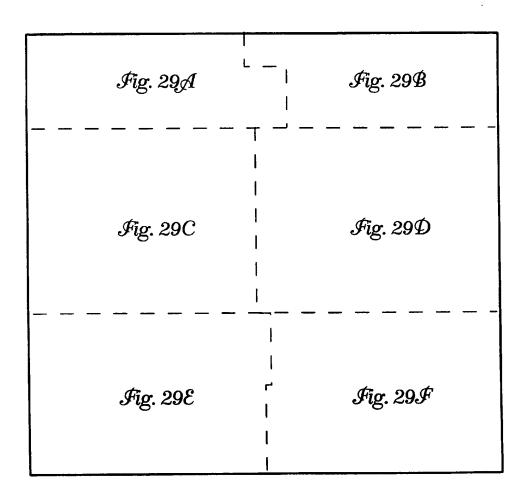


Fig. 29

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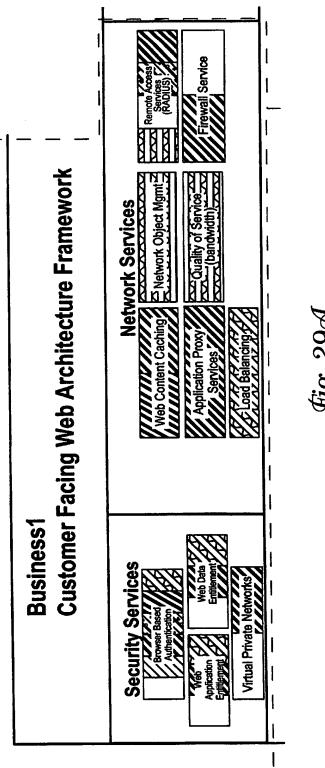
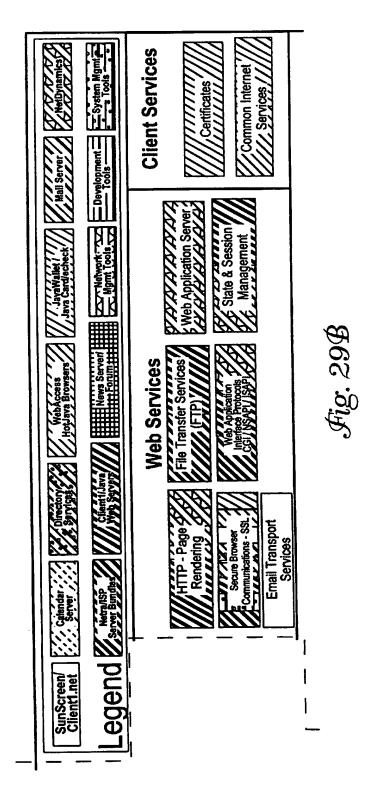
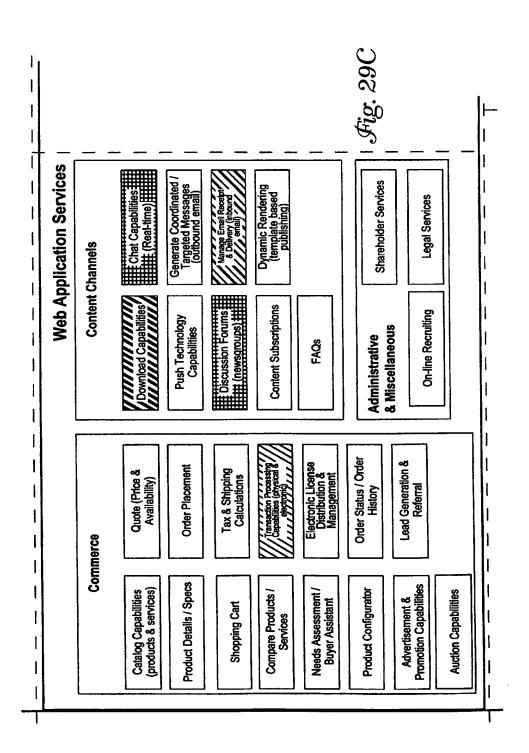


Fig. 29A

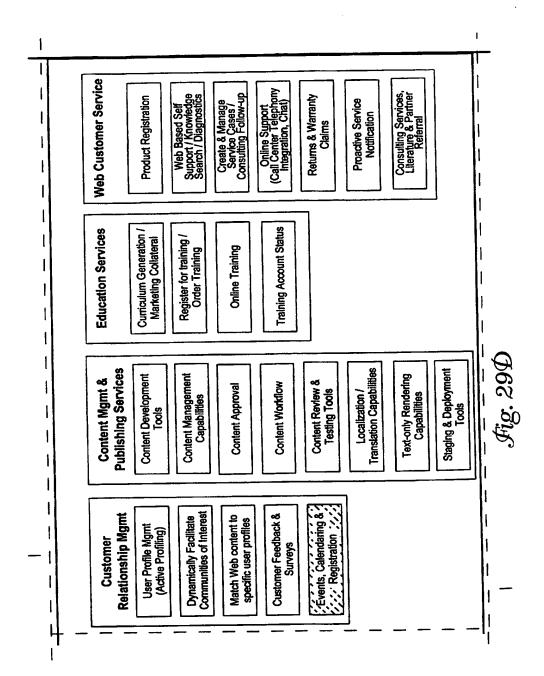
# Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 71 of 177

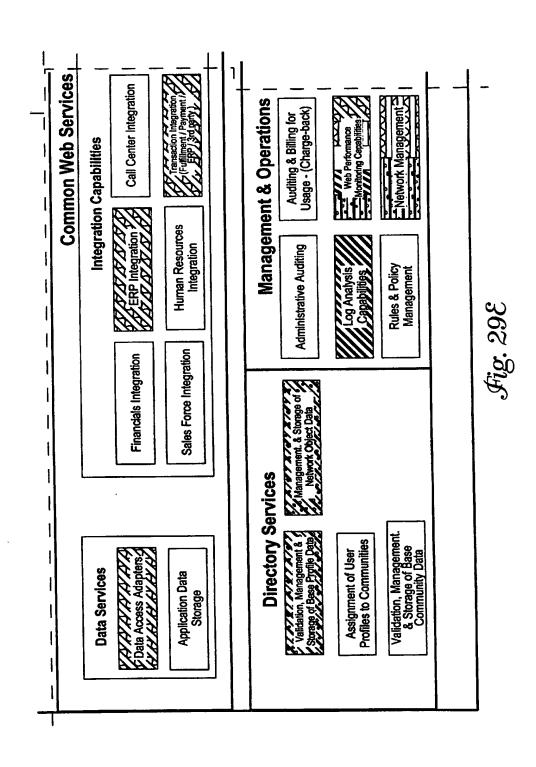


## Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 72 of 177

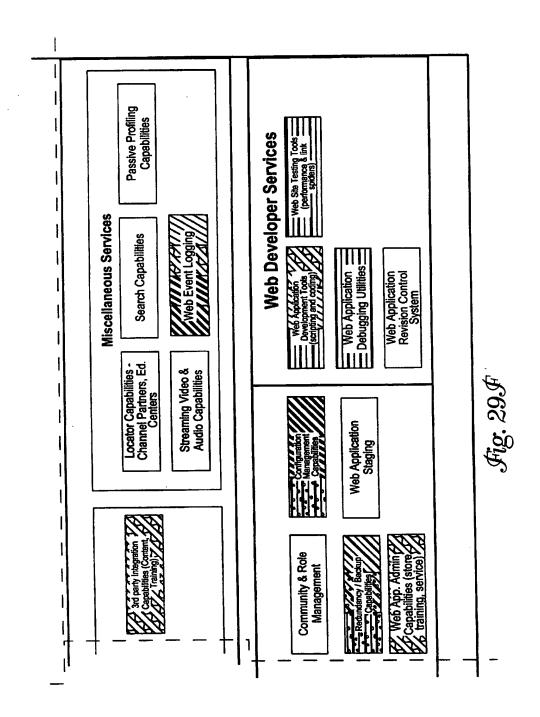


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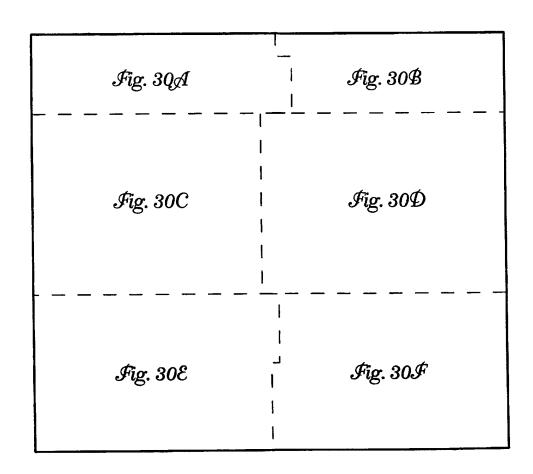
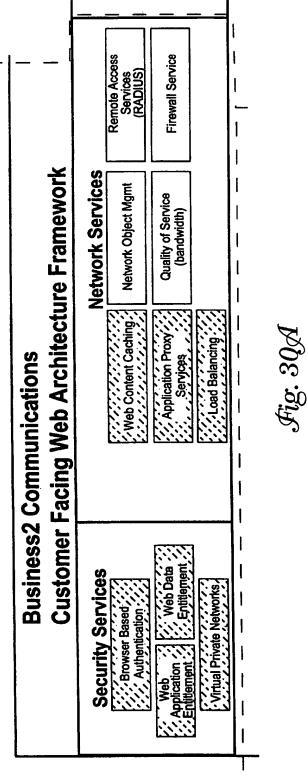
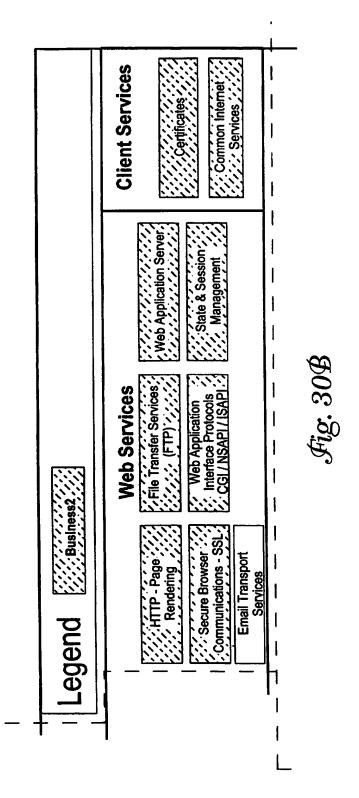


Fig. 30

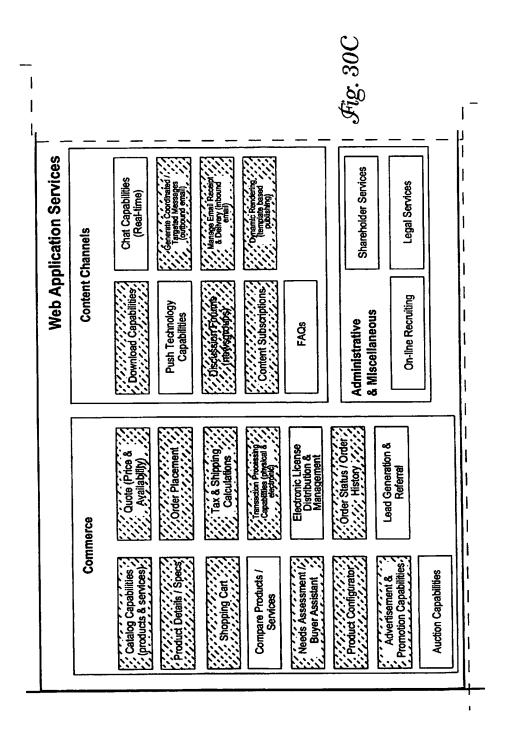
#### Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 77 of 177



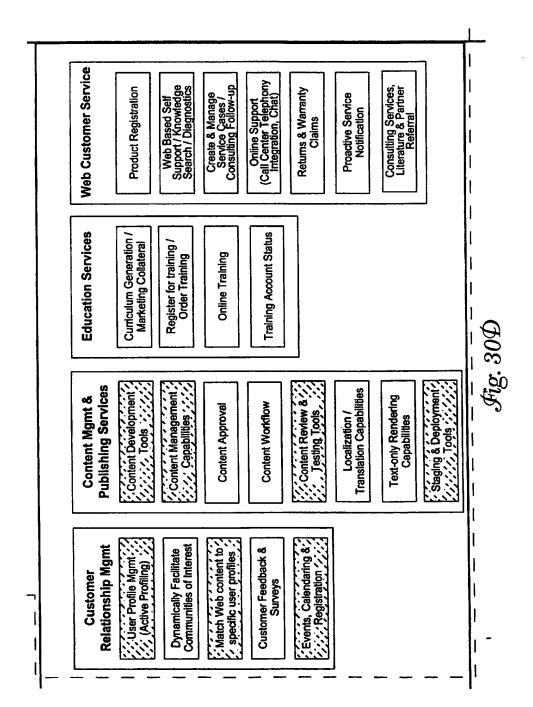
## Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 78 of 177



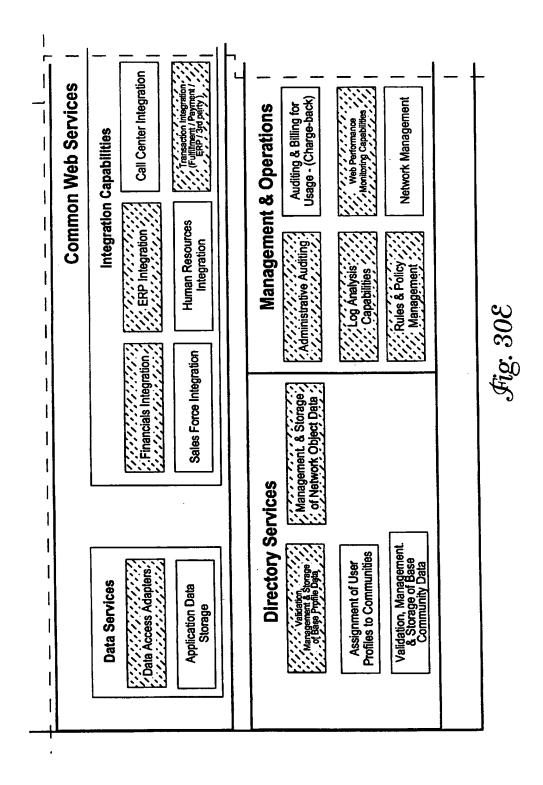
### Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 79 of 177



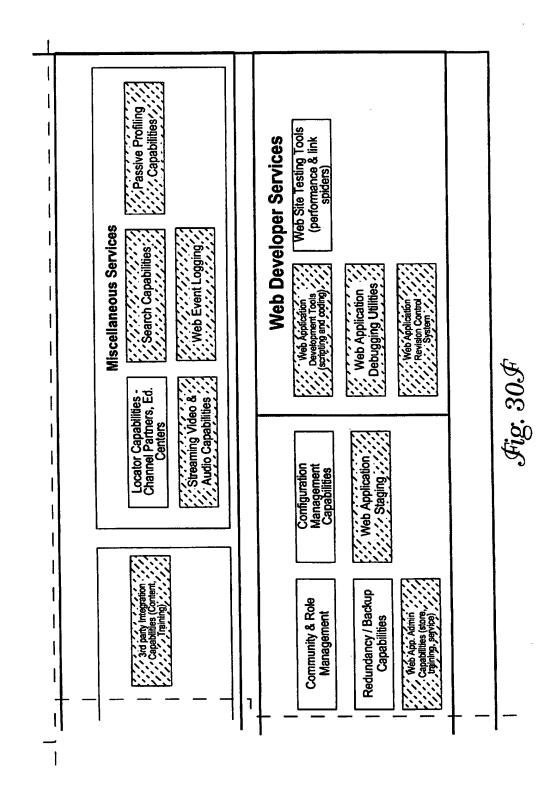
#### Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 80 of 177



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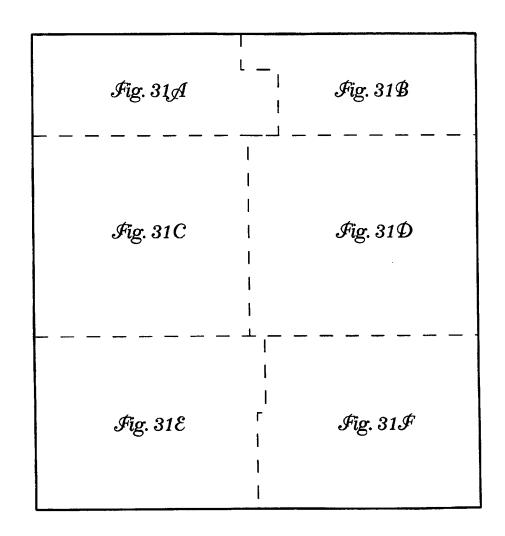
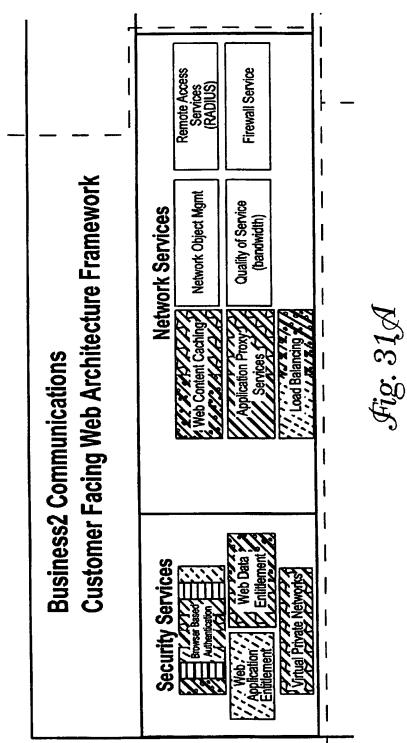
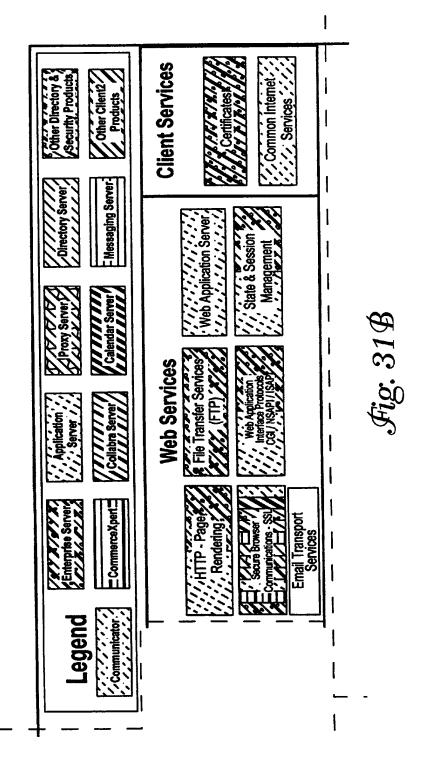


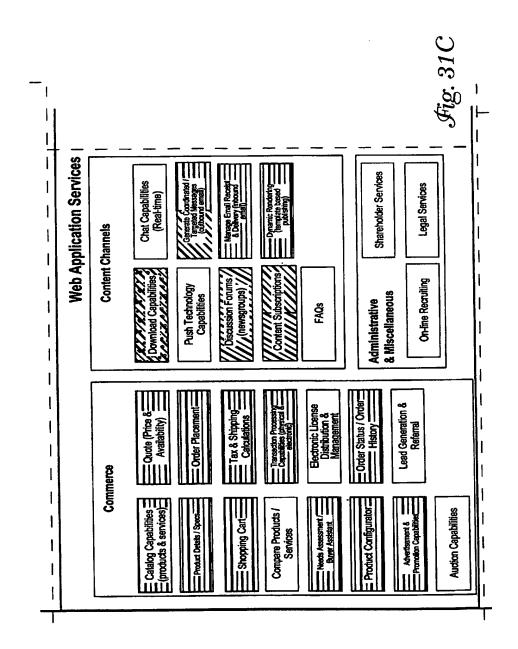
Fig. 31

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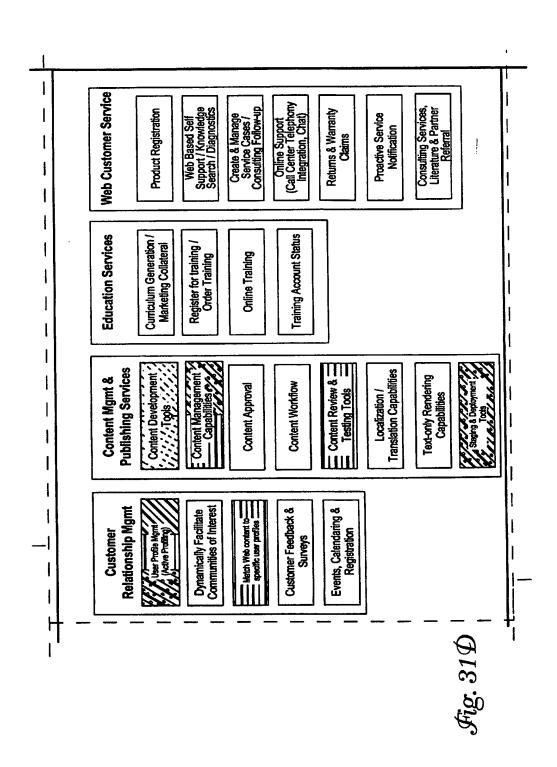


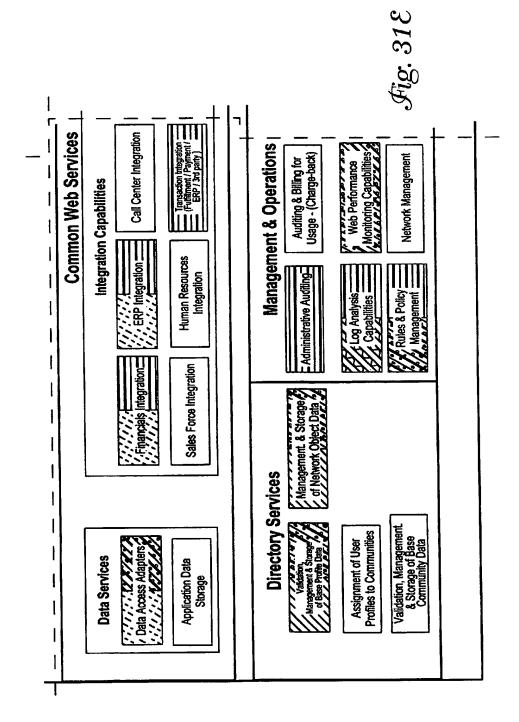
#### Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 85 of 177

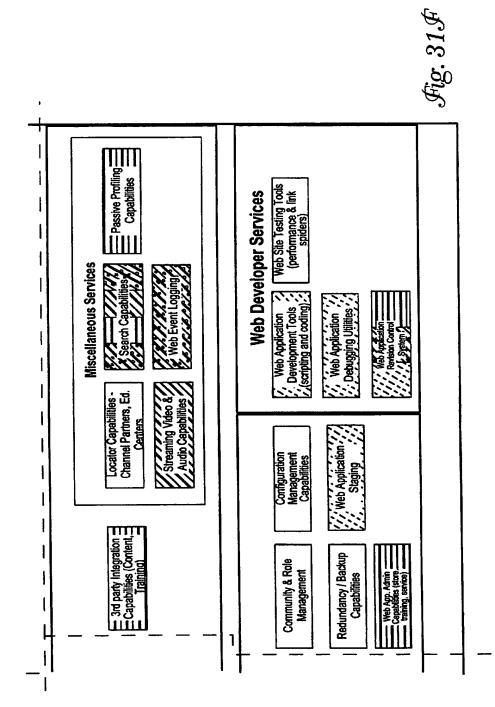




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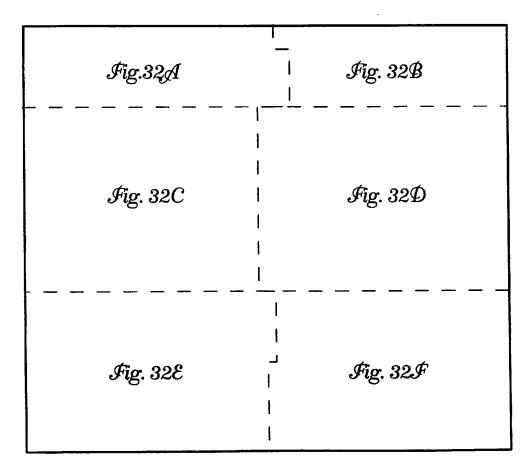
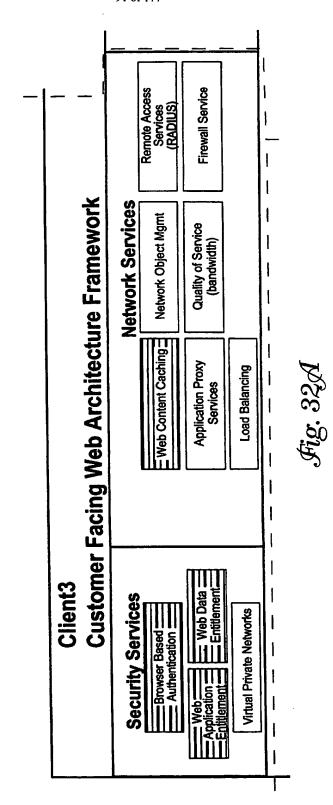
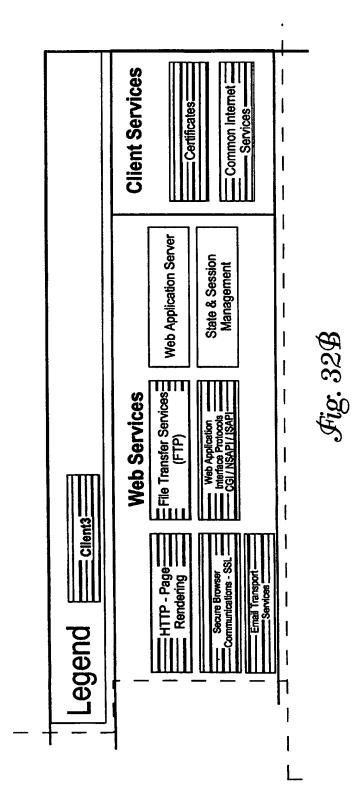


Fig. 32

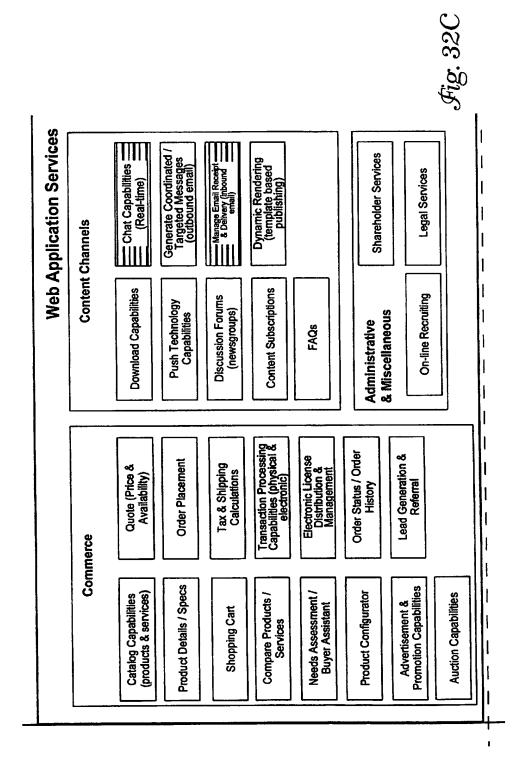
Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 91 of 177



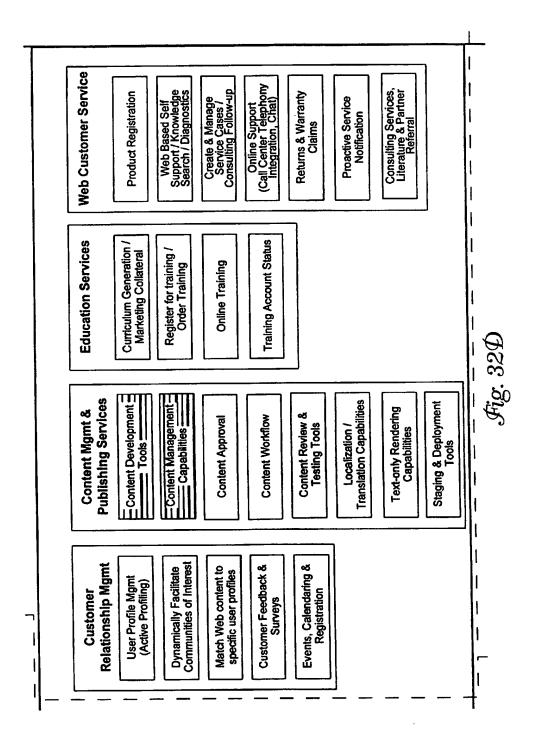
Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 92 of 177



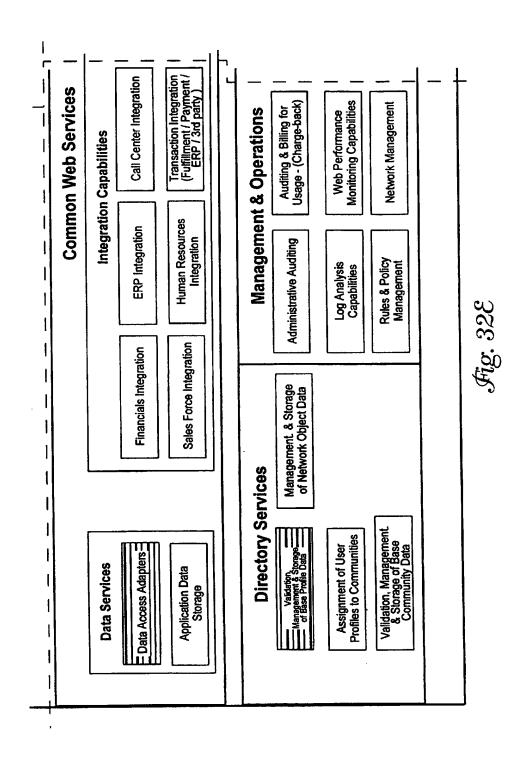
#### Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 93 of 177

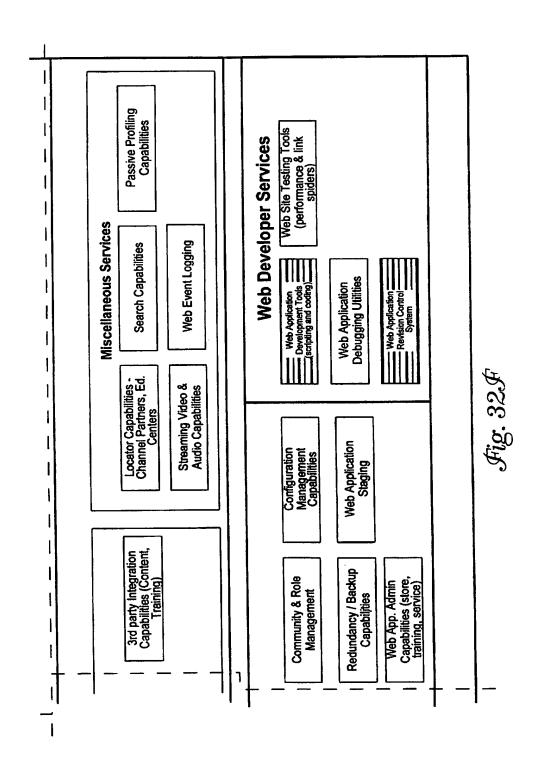


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#### Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 95 of 177





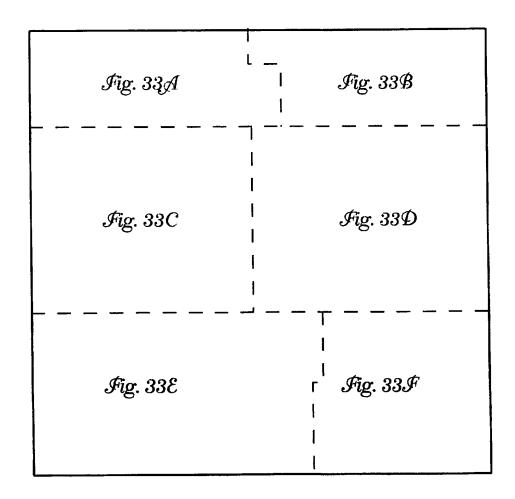
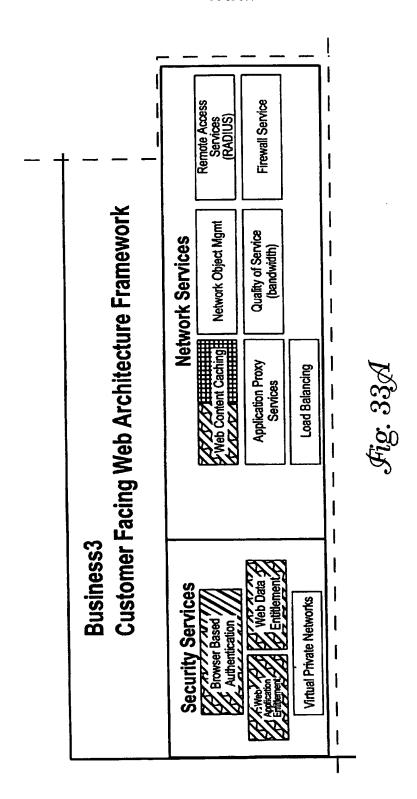
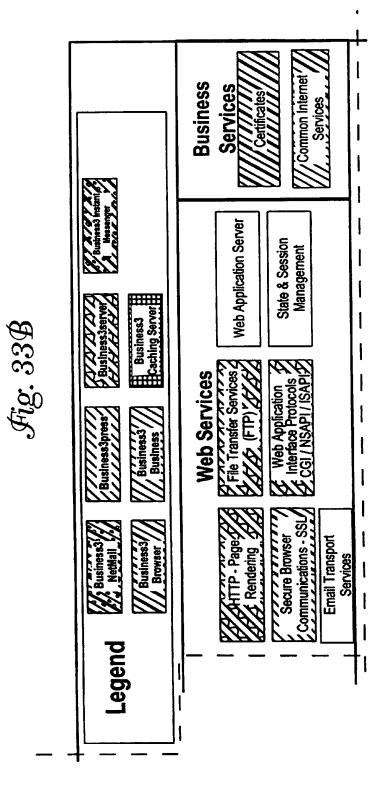


Fig. 33

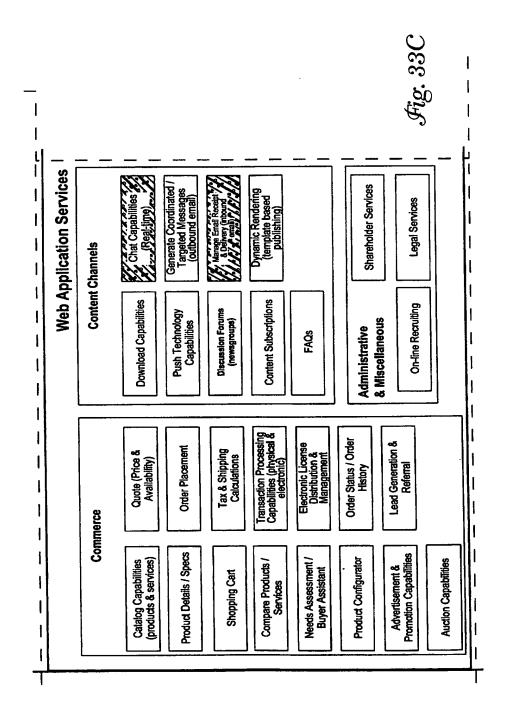
#### Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 98 of 177



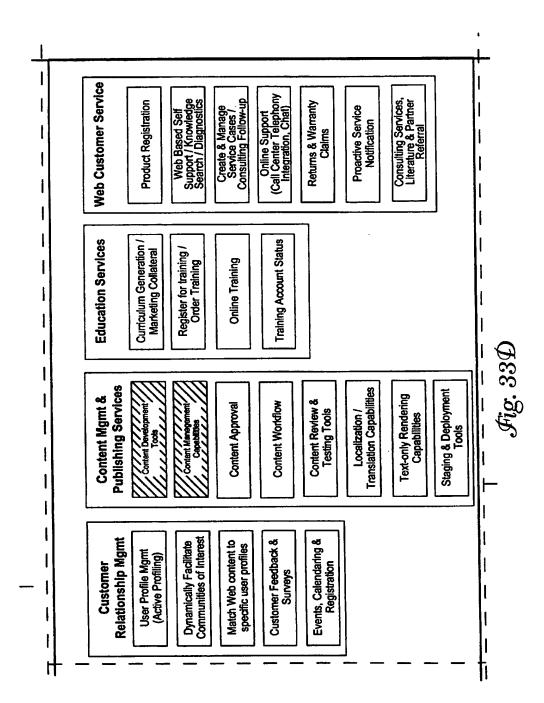
Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 99 of 177



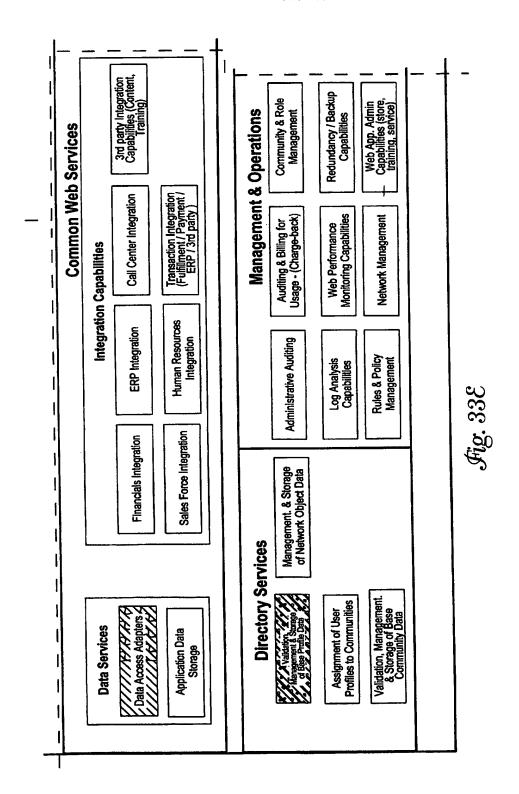
#### Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 100 of 177

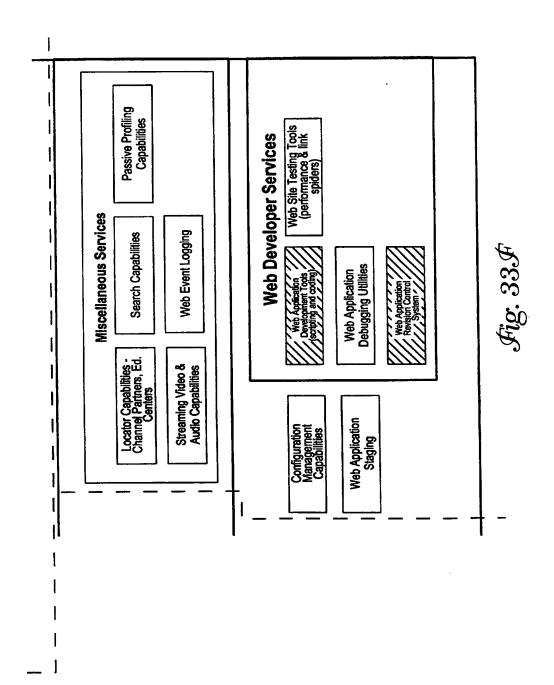


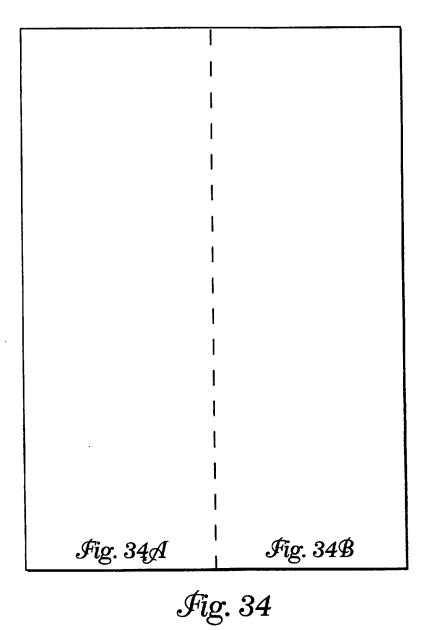
#### Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 101 of 177



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Business1  Customer Facing Capabilities - Infrastructure Services			
Security Service			
<b>Coo</b> w, 1., 0011110			
Browser Based Authentication		Verifies user identity using built-in browser functionality Maintains authentication information throughout sessions Utilizes centralized directory of profiles Provides LDAP compatibility Provides NDS compatibility	
Westernam	000	Restricts access to specific web applications based upon user	
Web Application  Entitlement	000	privileges  Determines if a user or group of users have permission to	
		perform an operation in a specific application Utilizes centralized directory of profiles for entitlement data Provides LDAP compatibility Provides NDS compatibility	
VIIIA	<b>020</b>	Restricts access to web content and data based upon user	
Web Data Entitlement	026	privileges  Determines if a user or group of users have permission to	
		manipulate web data (create, read, update, delete) Utilizes centralized directory of profiles for entitlement data Provides LDAP compatibility Provides NDS compatibility	
Virtual Private Networks	00	Offers guaranteed secure data transfer	
VIII DE PINSE PERMITE	00	Allows remote login Provides ability to grant varying levels of access based on user identity	
Network Servic	es		
Web Content Caching	0 0	Stores frequently requested web pages and graphics in a	
VEREIIII.	2 2	temporary location Serves up previously cached content without accessing	
	Q 2	original source Updates cache automatically to ensure integrity of content	

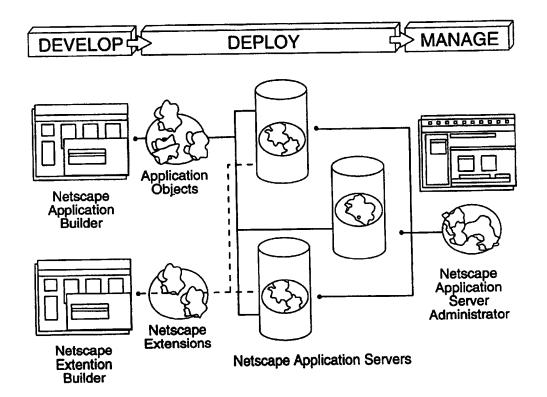
Fig. 34A

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News Server				
FORM THE CONTRACTOR OF THE PROPERTY OF THE PRO				
Calendar Sun-Screen Sun-Screen Sun-Inet Services Server Sun-Inet				
Legend Stetungh Tools Davelogment System M				
Core Capabilities Extended Detail				
- Soil Capabilities	l			
Application Proxy  Passes requests from external clients to internal web servers and returns results				
Serves as trusted agent to access machines on				
the behalf of clients  Hides IP Addresses of machines from external				
clients  Provides configuration control over access				
Provides configuration control over access permissions	l			
Provides reverse proxy services				
Spreads tasks among application servers using	an			
intelligent load-balance scheme (e.g., CPU utilization)				
Provides a centralized task distribution mechani for routing services	sm			
Identifies servers that are off-line and re-routes				
traffic				
Provides centralized directory to facilitate netwo	rk			
object interactions  Provides ability to administer network objects (e	.a.			
printers, routers)				
Offers range of speed and bandwidth based on				
customer profile (e.g., larger, higher profile				
customers get faster service upon request)				
□ □ □ □ □ Enables high density modem pooling				
Provides a single dial-in number for ISDN or Analog calls and an automatic back-up number	if			
first one does not work	14			
' □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □				
1 C S S O MINORS IGNORS AGRICANCED SOCESS TO MINGHE!				
1				
l				

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# Client2 Application Server



Client2 Application Server

Fig. 35

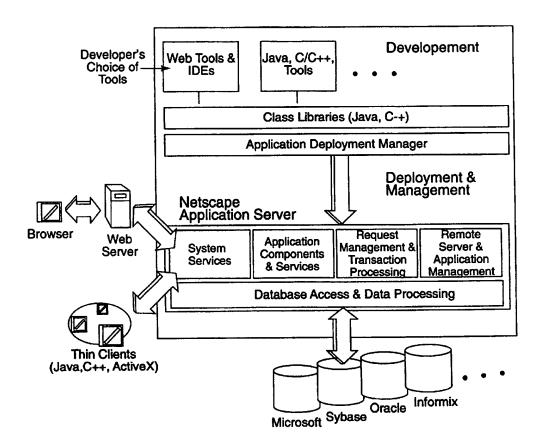


Fig. 36

### Client2 ECXpert

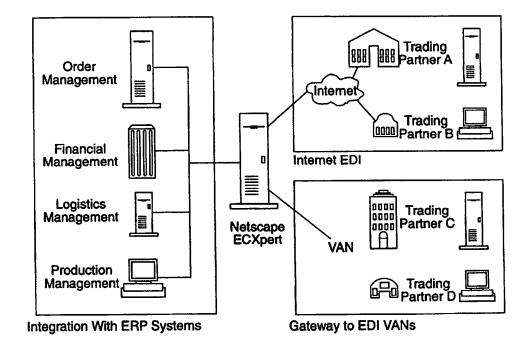


Fig. 37

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## Client2 ECXpert

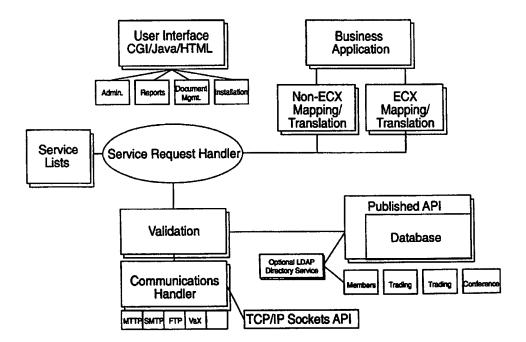


Fig. 38

# Client2 SellerXpert

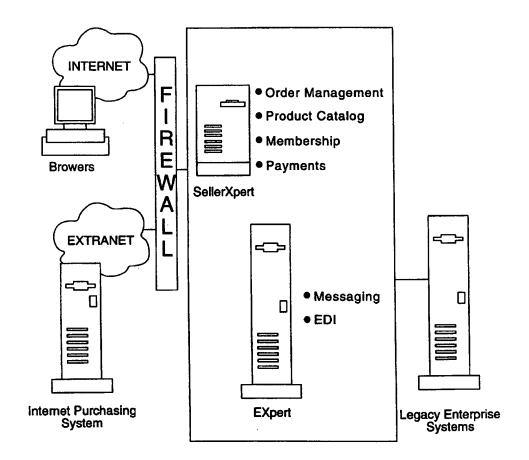
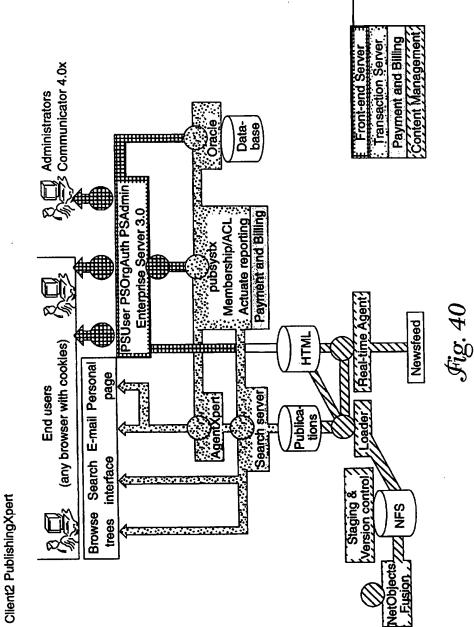
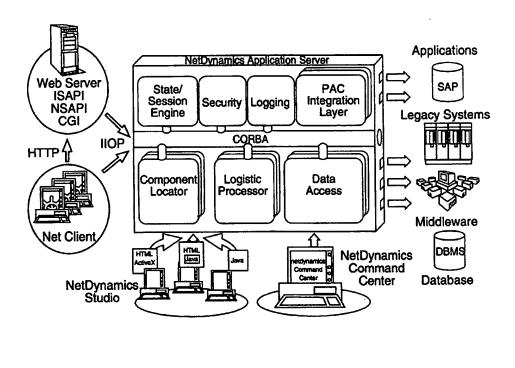


Fig. 39



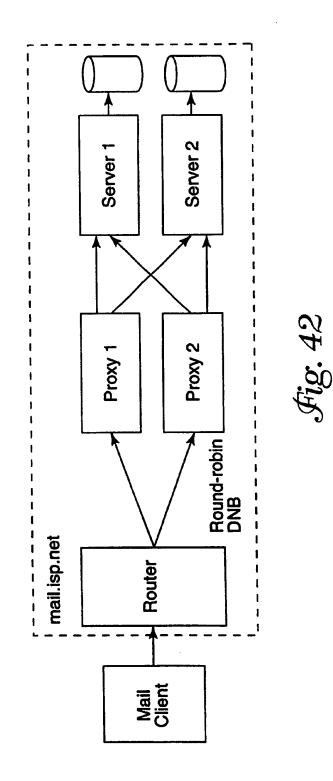
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- Any Web browser requests a dynamic-page
- 2) The Web server notifies ColdFusion
- ColdFusion processes the dynamic-page based on the CFML tags
- ColdFusion generates an HTML page
- The Web server sends the HTML page to the browser

Fig. 41

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Client1 Internet Mail Server

# **Client1 Internet News Server**

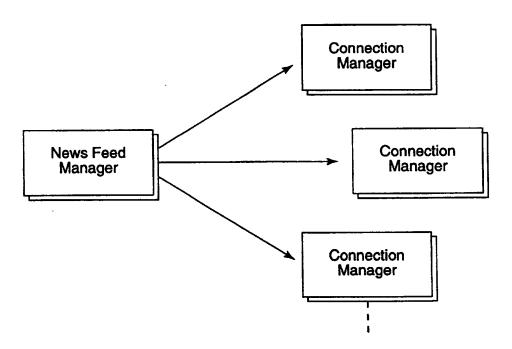


Fig. 43

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# Client1 Personal WebAccess Browser

User Interface Shell
Personal Applications  Browser  Addressbook/Dialer  Notebook
Set top boxTelecomAutomotive
Personallava

# Client1 Directory Services

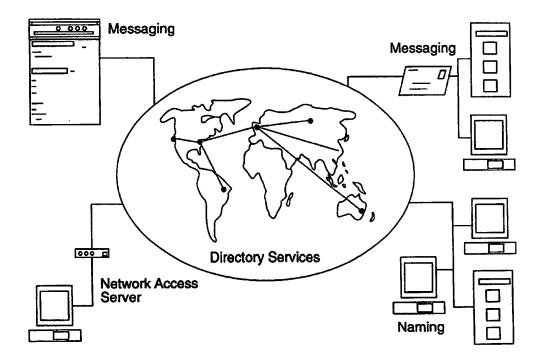
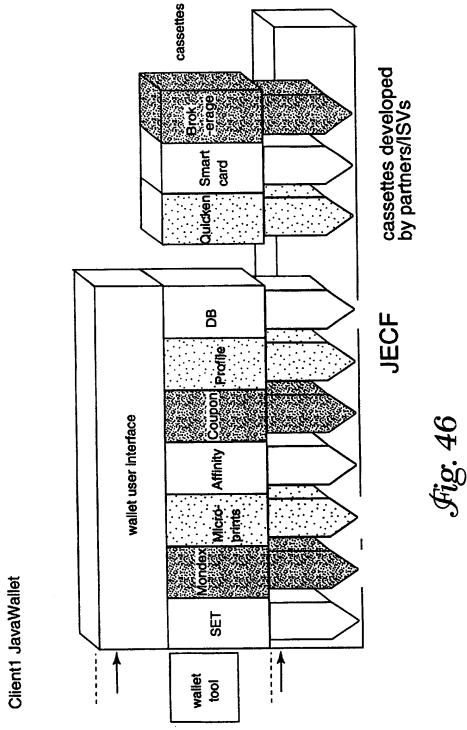


Fig. 45.



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### Client1Screen Product Suite

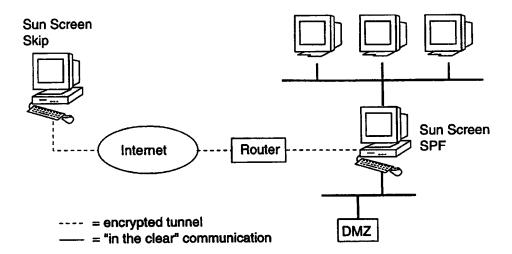


Fig. 47

## Netra Internet Server Bundle

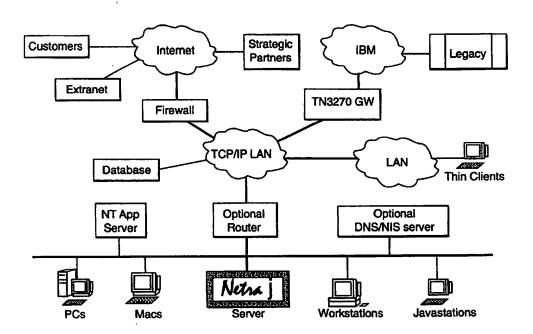


Fig. 48

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### Solaris ISP Server Bundle

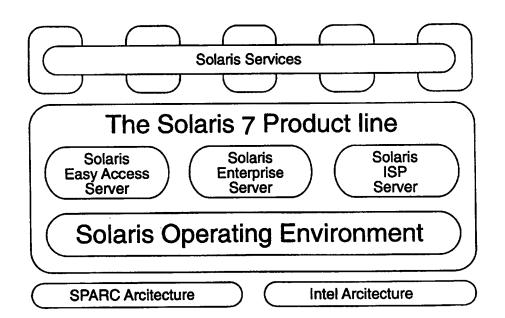
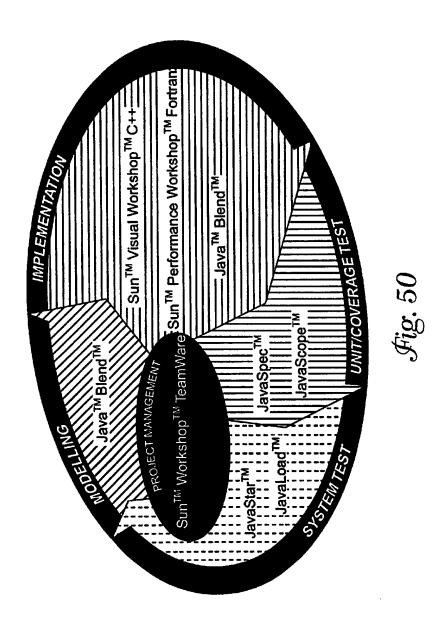
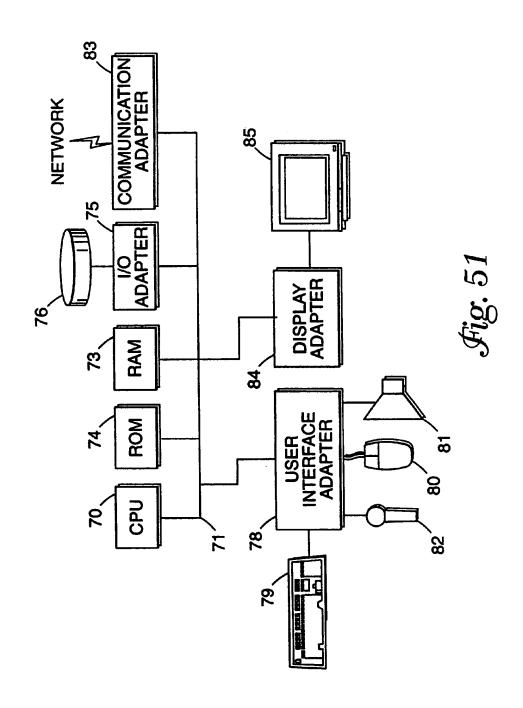
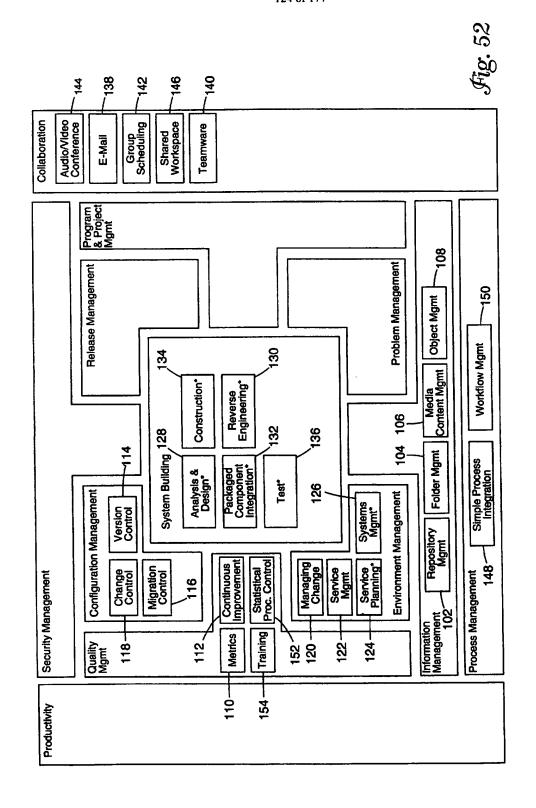


Fig. 49





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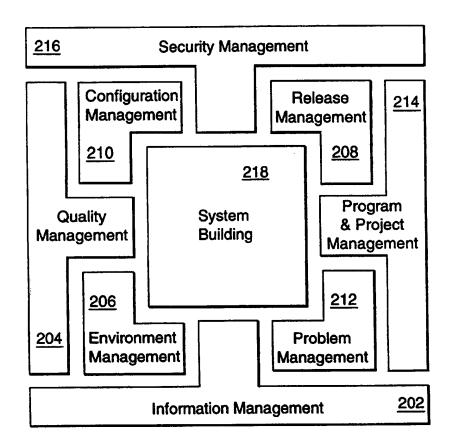
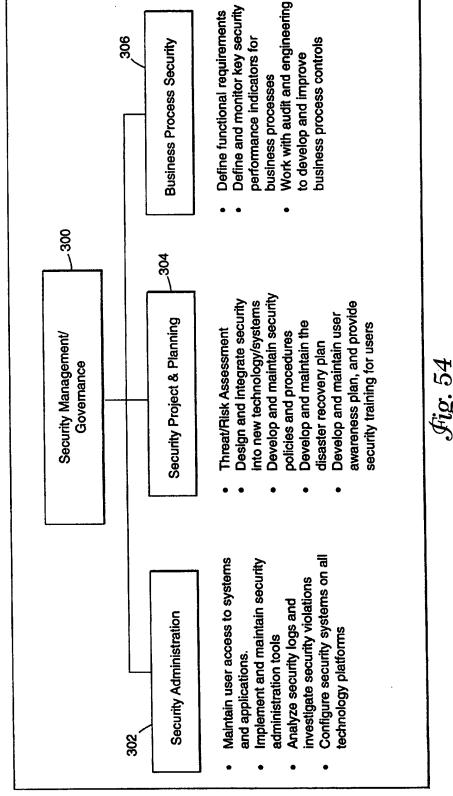
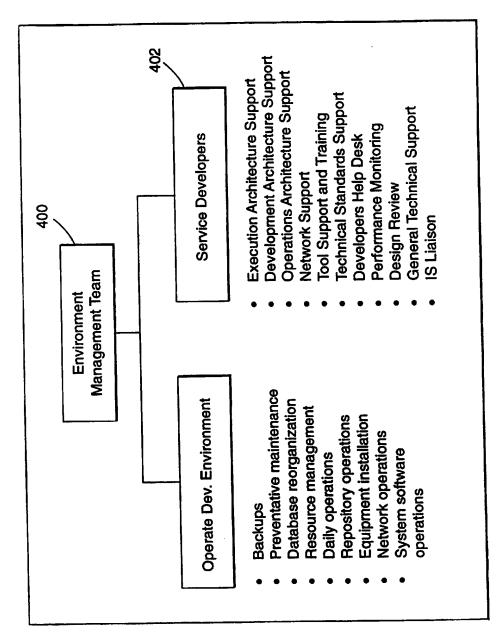
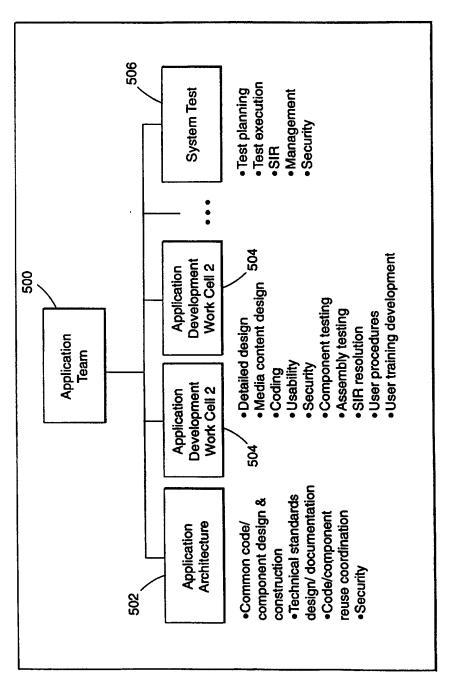


Fig. 53

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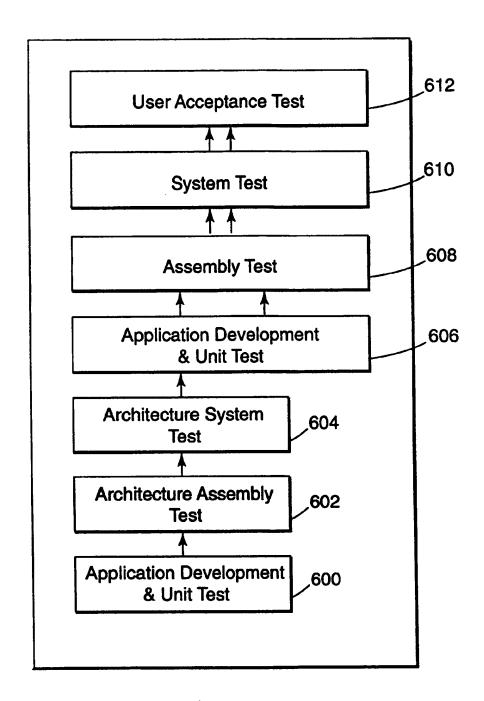
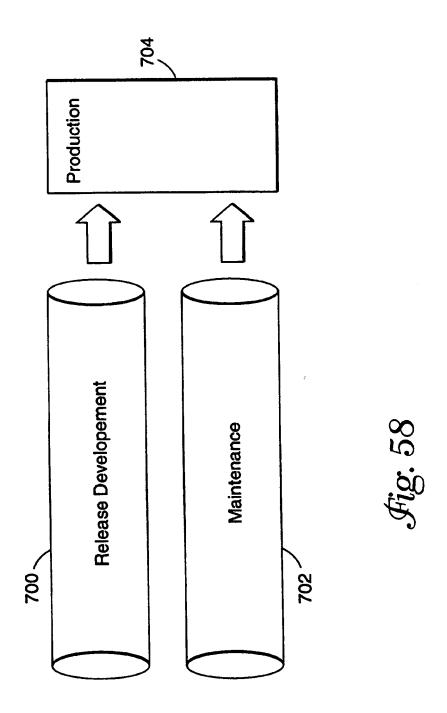
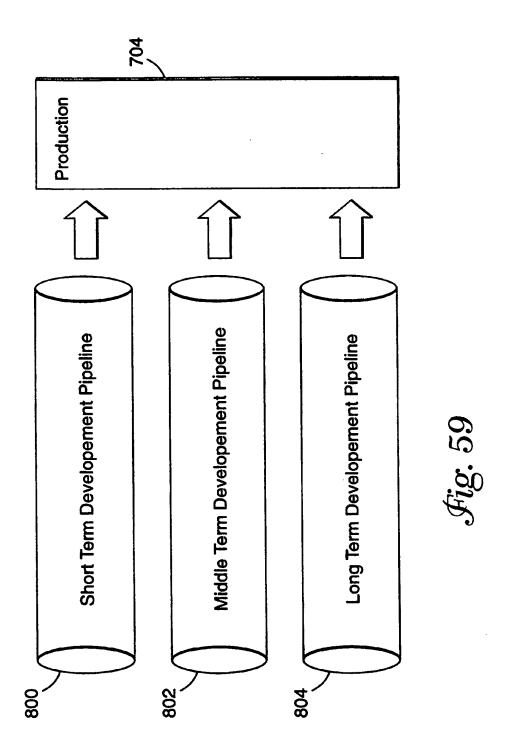
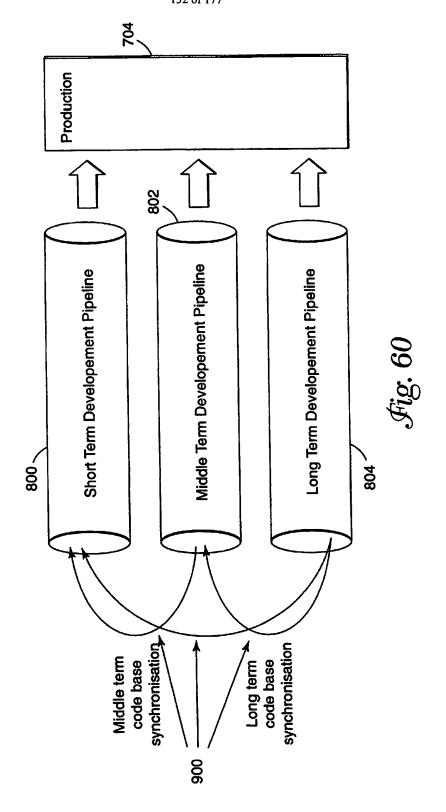


Fig. 57





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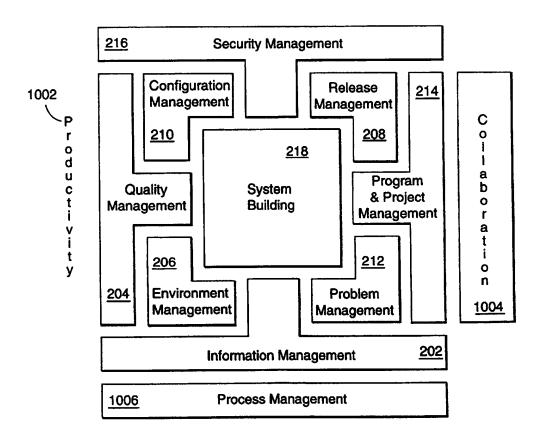


Fig. 61

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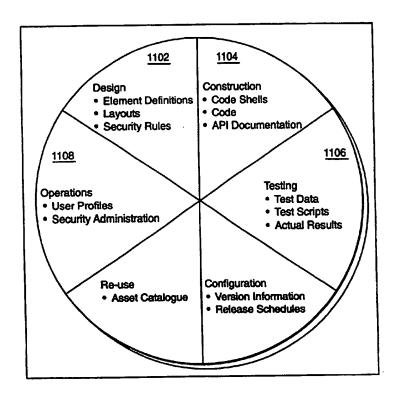


Fig. 62

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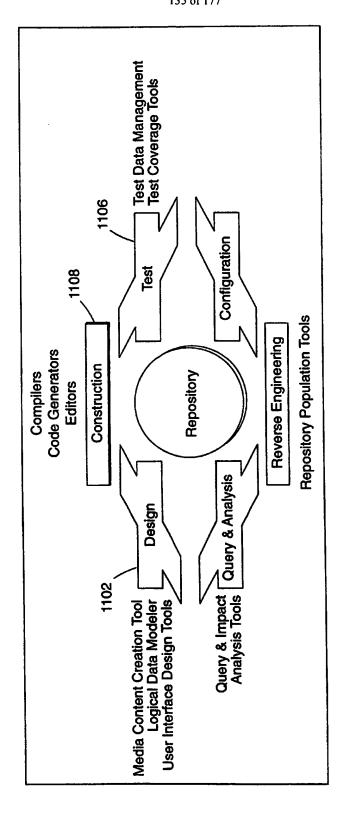
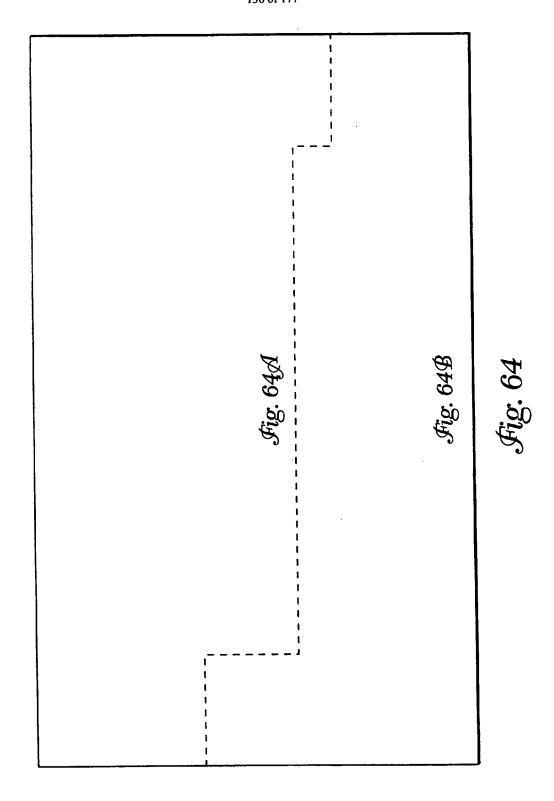
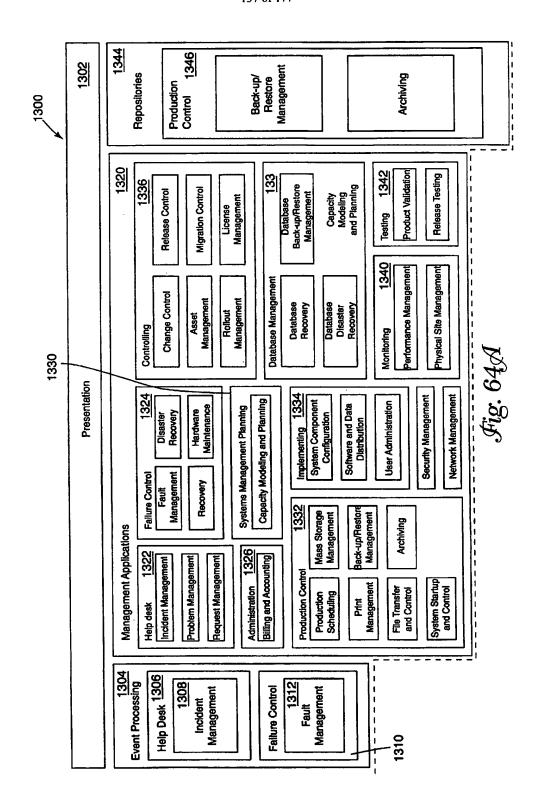


Fig. 63



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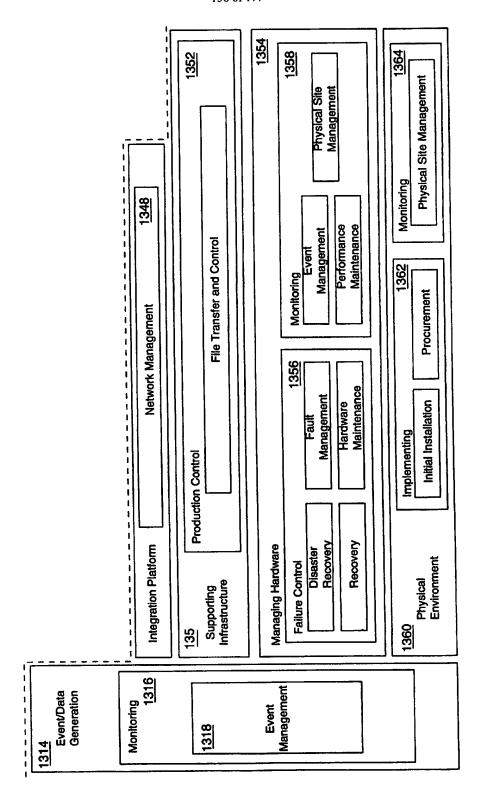


Fig. 64B

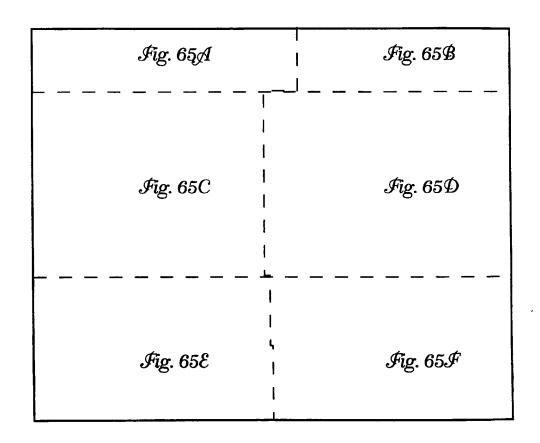
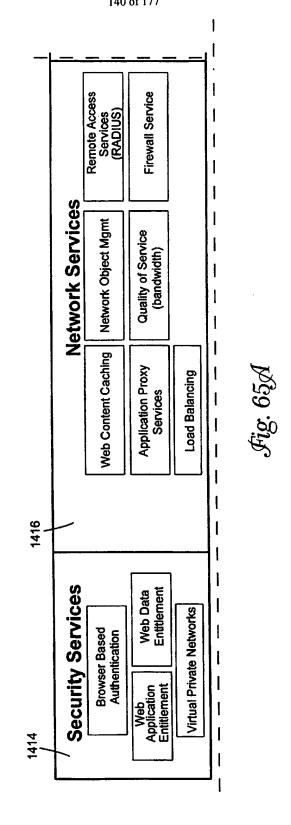
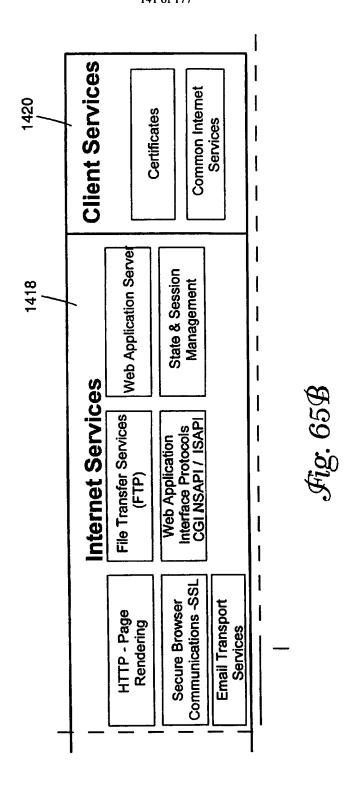


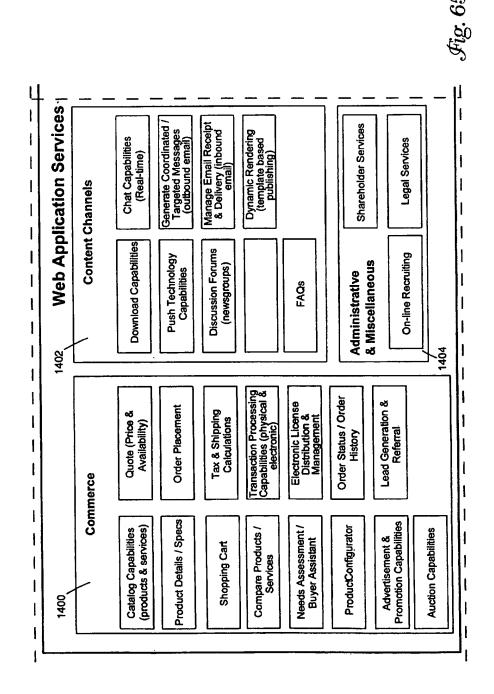
Fig. 65

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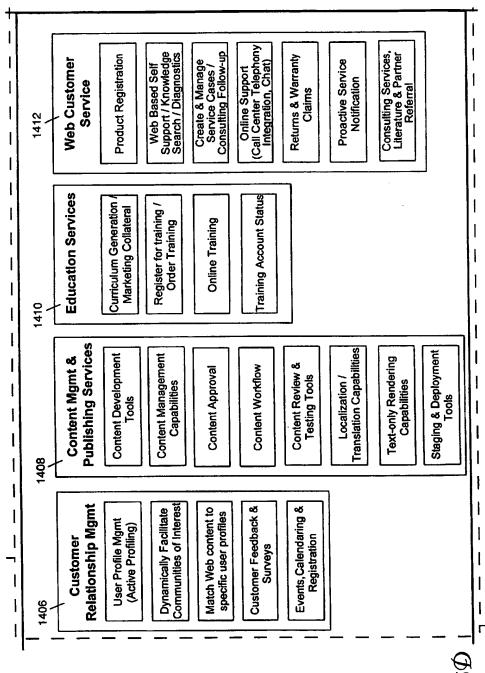
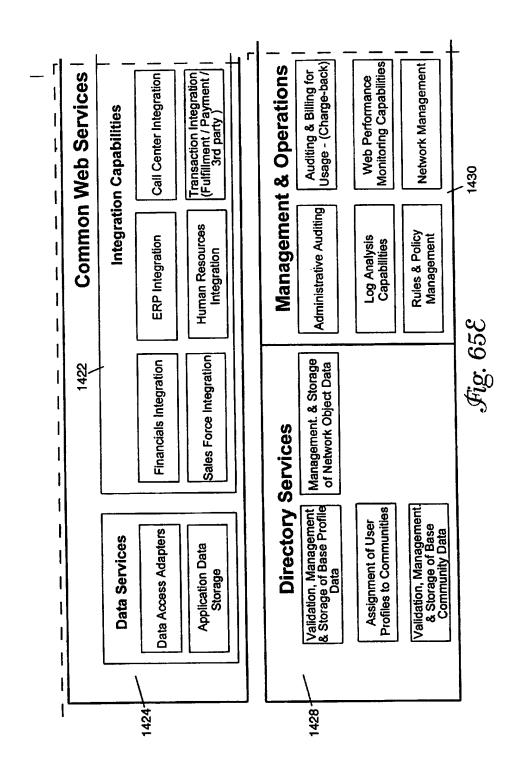
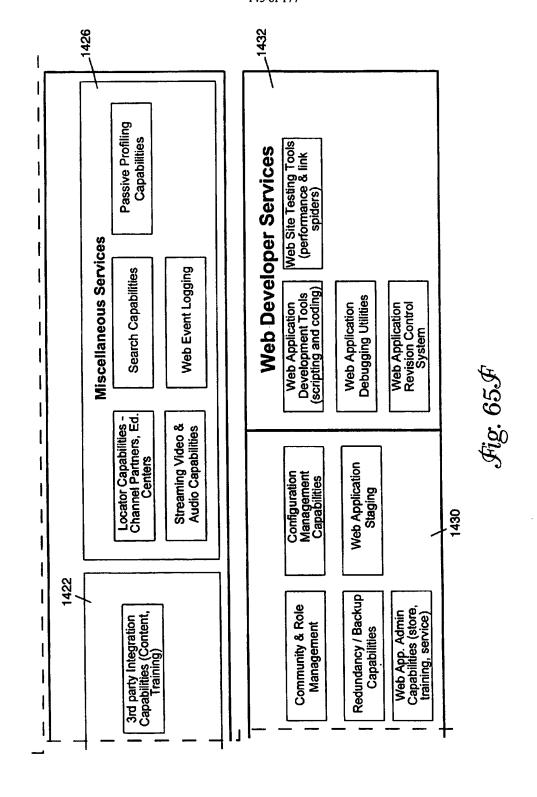


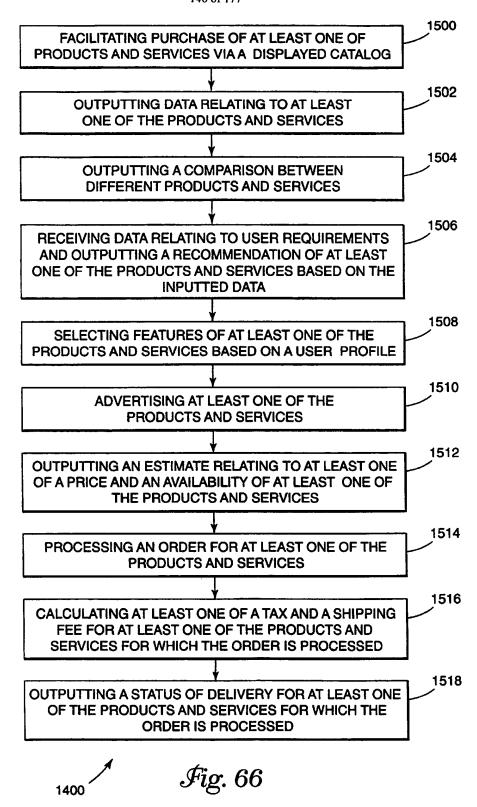
Fig. 65D

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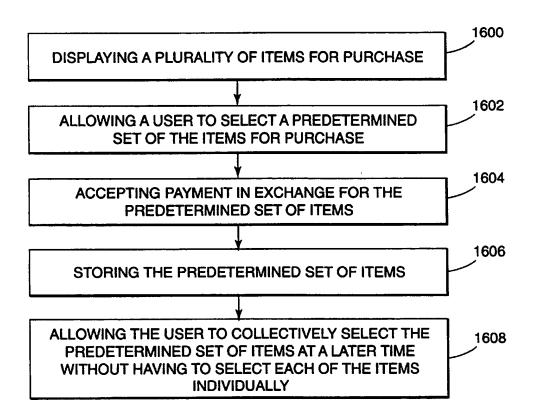


Fig. 67

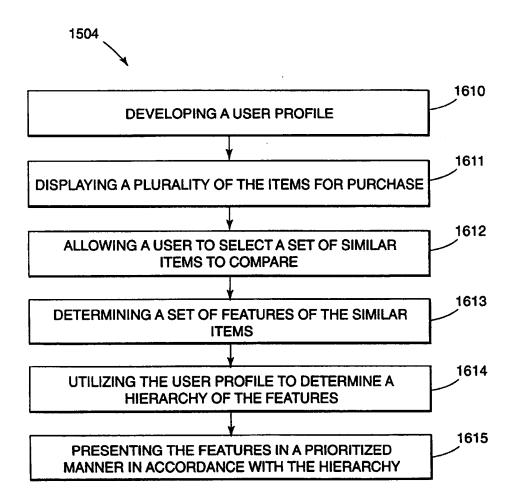


Fig. 68

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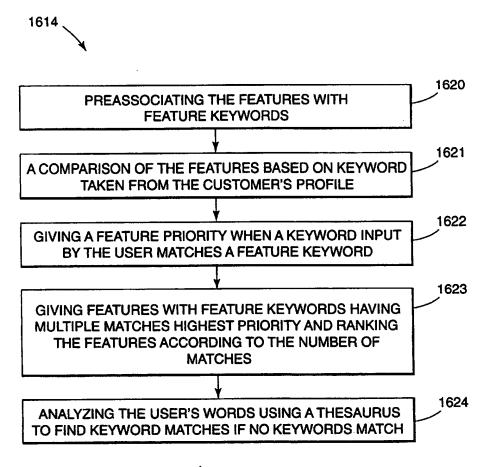


Fig. 69

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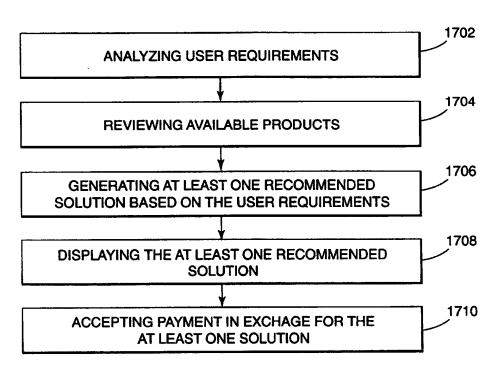


Fig. 70

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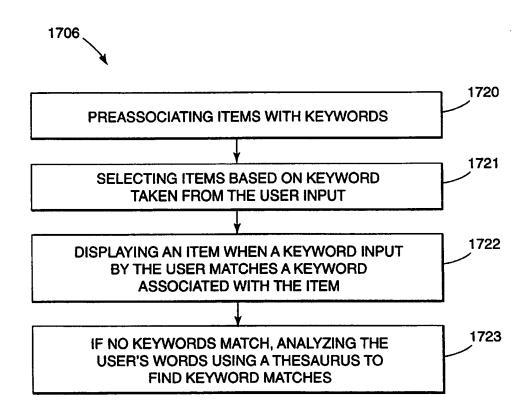


Fig. 71

Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 152 of 177

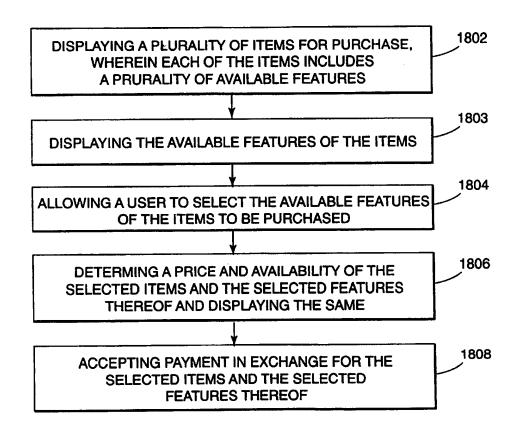


Fig. 72

Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 153 of 177

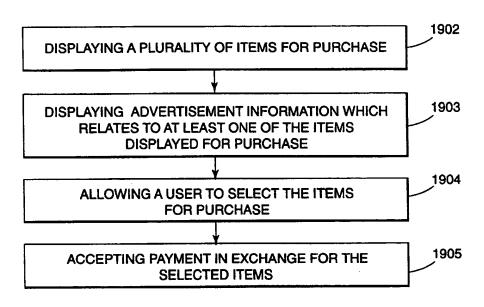


Fig. 73

Appln. No. 09/320,921 Amendment Dated March 9, 2005 Response to Notice of Allowance of December 13, 2004 Replacement Sheet 154 of 177

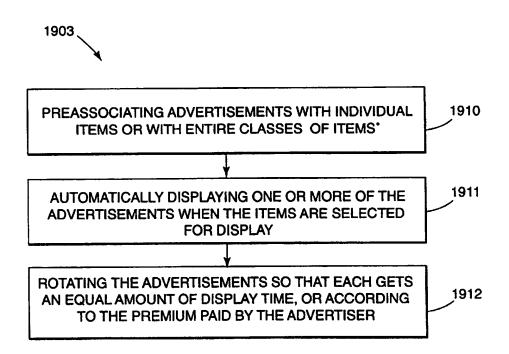


Fig. 74

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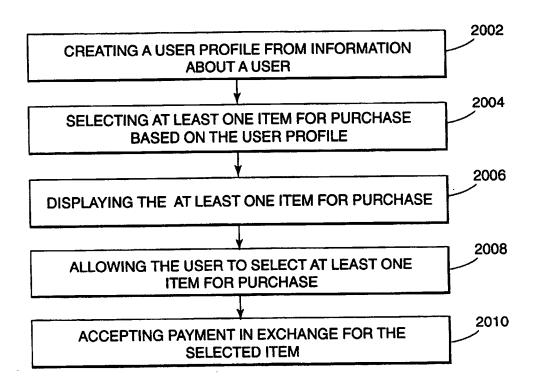


Fig. 75

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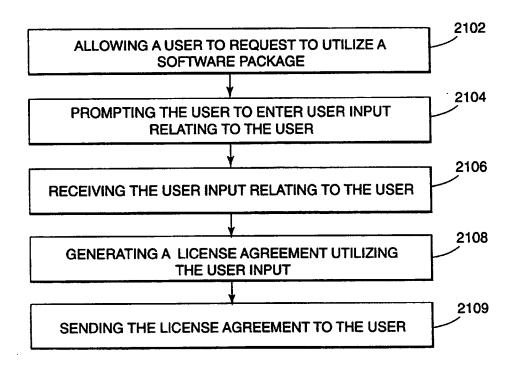


Fig. 76

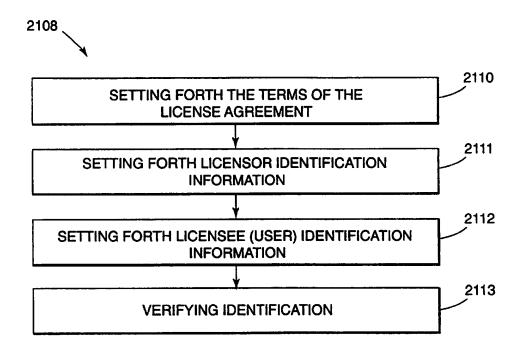


Fig. 77

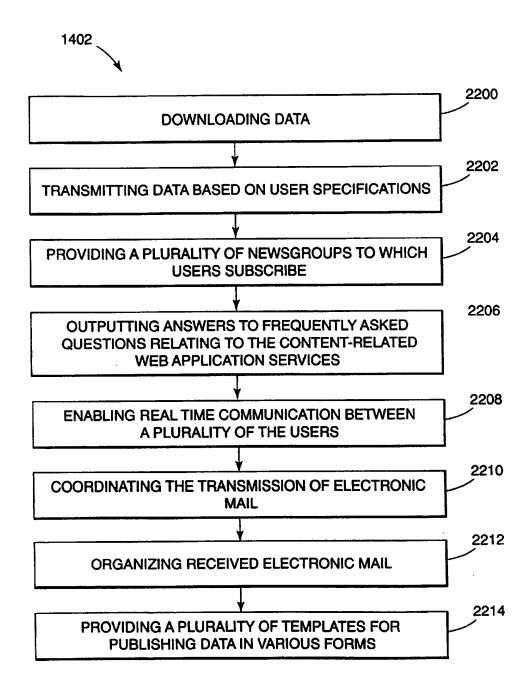


Fig. 78

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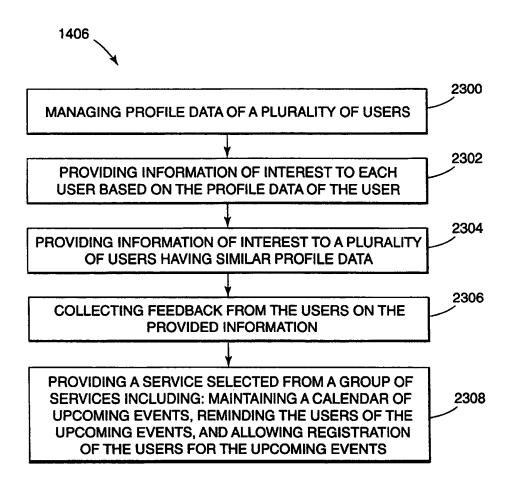


Fig. 79

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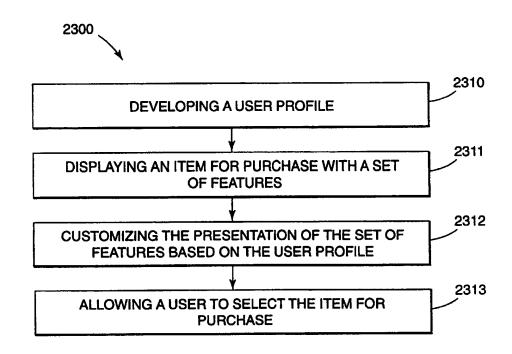


Fig. 80

Appln. No. 09/320,921
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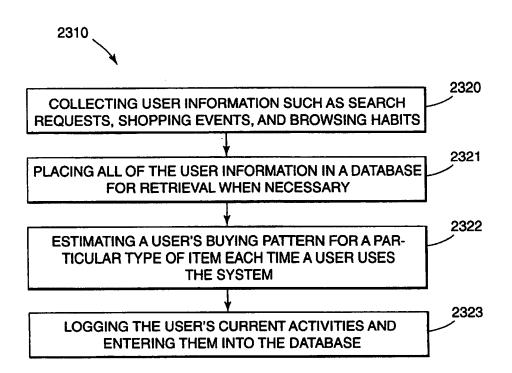


Fig. 81

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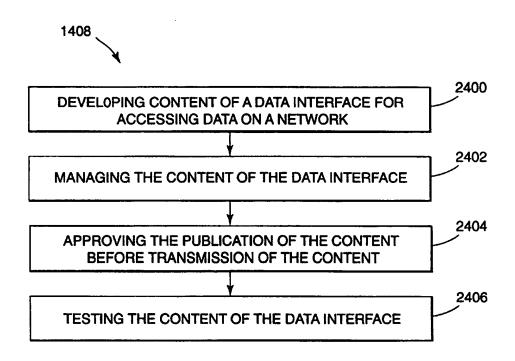
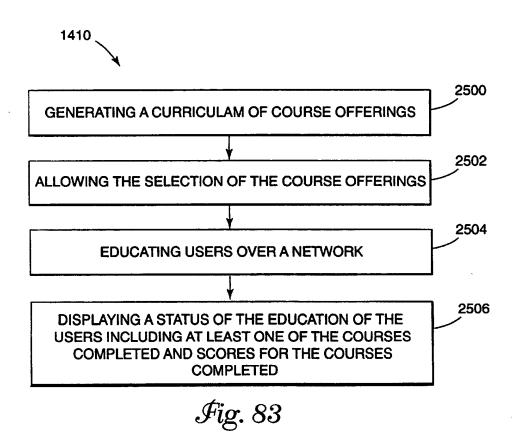


Fig. 82



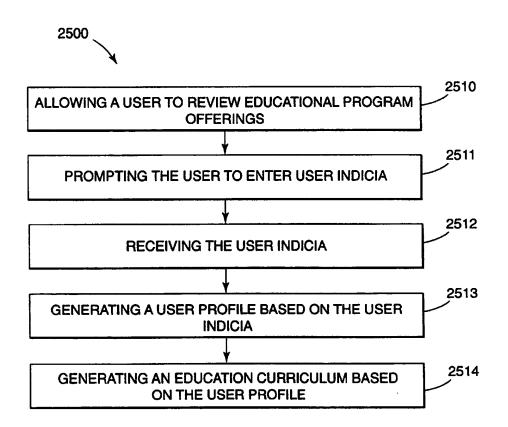


Fig. 84

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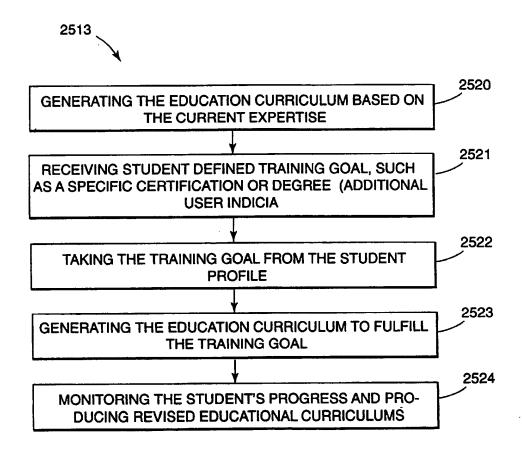


Fig. 85

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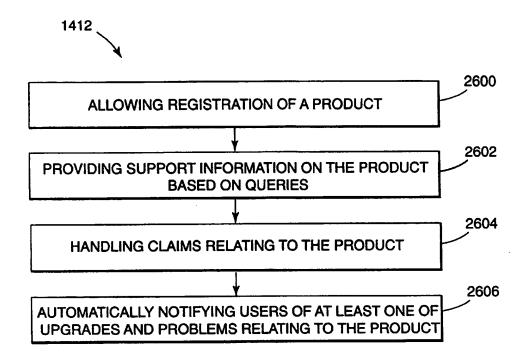


Fig. 86

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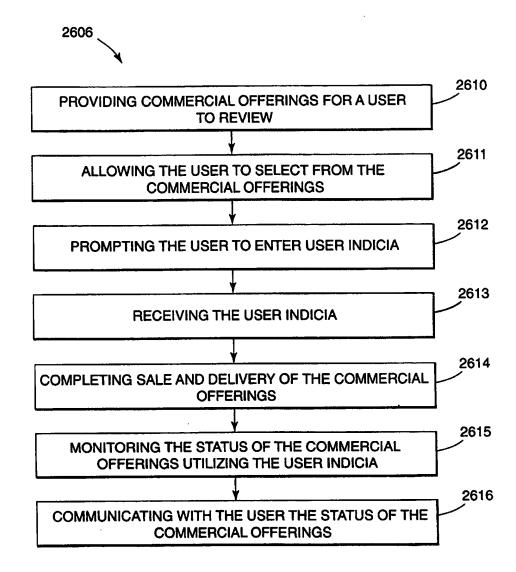


Fig. 87

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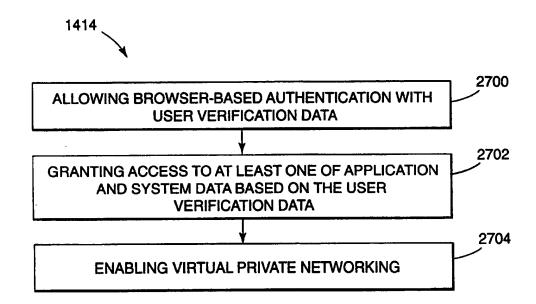


Fig. 88

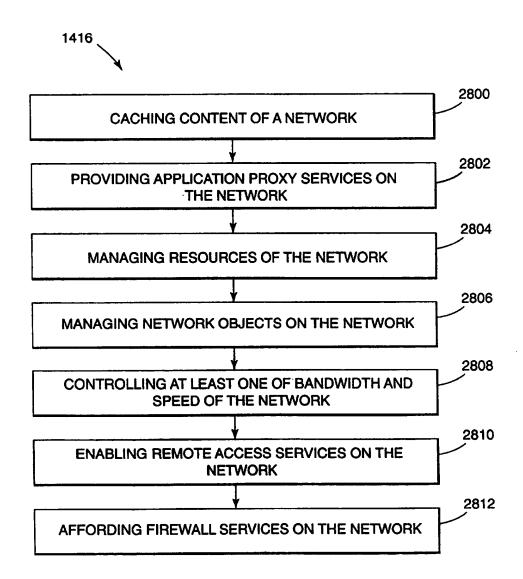


Fig. 89

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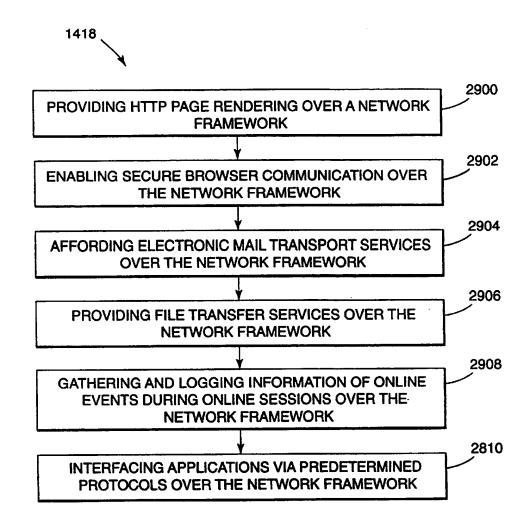


Fig. 90

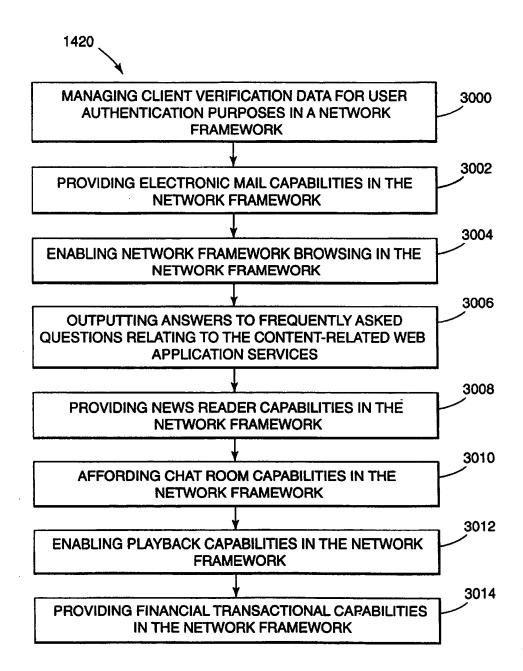


Fig. 91

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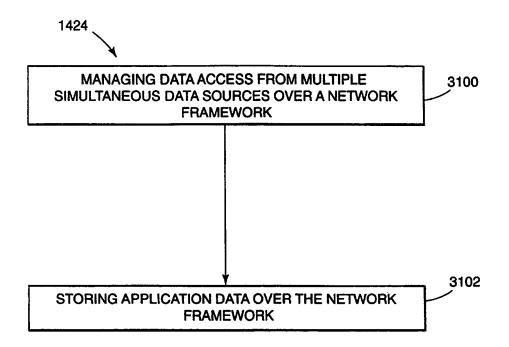


Fig. 92

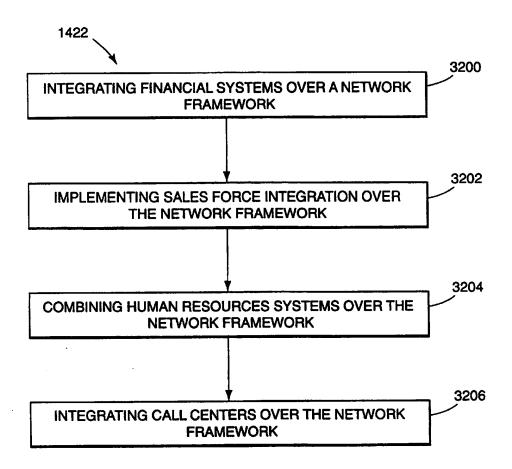


Fig. 93

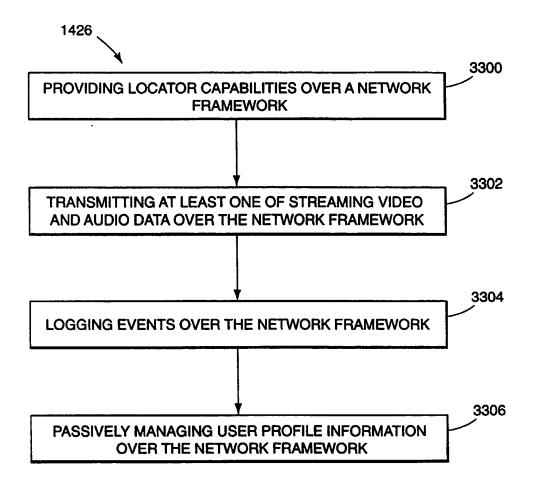


Fig. 94

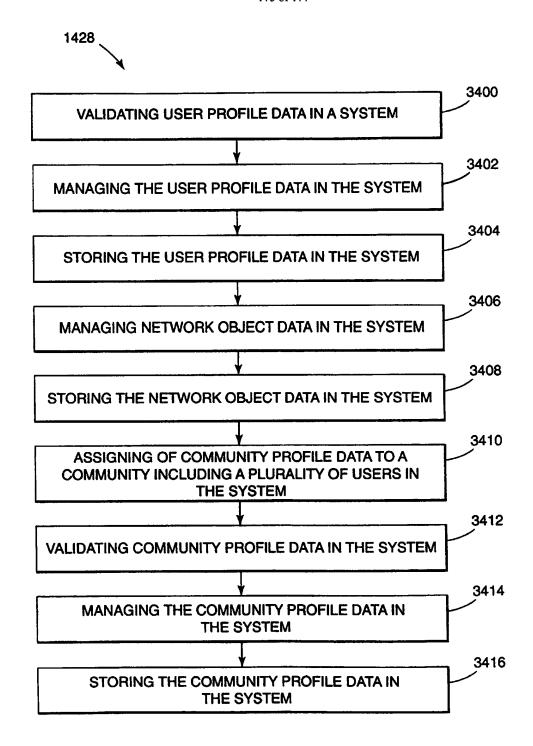


Fig. 95

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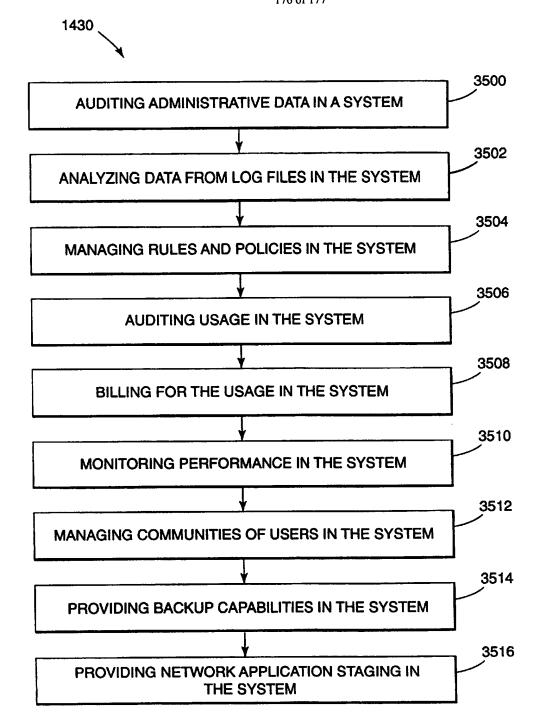


Fig. 96

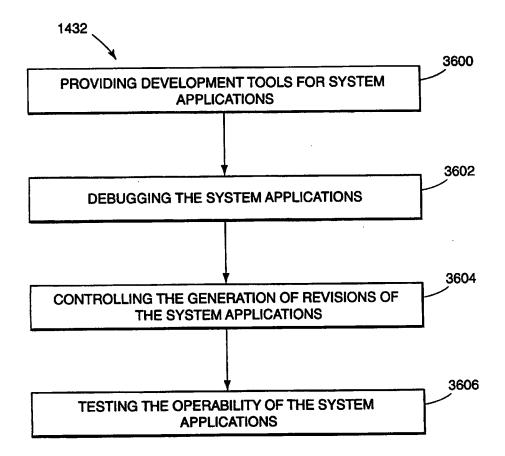


Fig. 97